



Product Catalog

Control Panels ■ Alarm System
Float Switches ■ Accessories

For Water, Wastewater, and Sewage Applications

www.sjerhombus.com

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Ordering Information

To assist us in delivering the exact product you want, please order by the seven digit part number or panel model number. If you require special features, such as additional cable length or special packaging, please call your customer service representative at 1-888-DIAL-SJE (1-888-342-5753).

SJE-Rhombus® also manufactures Engineered Custom control panels. Please contact SJE-Rhombus customer service to request a custom panel quote at 1-800-RHOMBUS (1-800-746-6287) or 1-888-DIAL-SJE (1-888-342-5753). For additional information on our Blanket Agreement Program, Freight Paid Program, Return Policy or Payment Terms, please refer to the back side of your multiplier sheet, contact your factory representative or contact SJE-Rhombus customer service at 1-888-DIAL-SJE (1-888-342-5753).

SHIPPING YOUR ORDER

Standard catalog items, depending on volume and options, are shipped within four (4) business days from receipt of order. SJE-Rhombus ships in-stock items same day when requested. SJE-Rhombus Build-A-Panel™ control panels ordered with multiple options and orders exceeding \$10,000 may require up to ten (10) business days to ship. Large stocking panel orders or custom panel orders may require additional lead time of more than ten (10) business days.

Next Day Air, Second Day Air and Three Day UPS Ground services are available. To receive these services you must place your order before 1:00 p.m. Central Time. SJE-Rhombus reserves the right to increase prices if transportation rates increase.

SJE-Rhombus offers a Panel Express Program for expedited delivery on most control panels found in this catalog. Contact Customer Service for more information.

PRODUCT RETURN

Returned Materials Authorization (RMA) numbers must be assigned to products being returned for warranty claim. Control panel models IFS7, IFS8, SGS, 113, 123, 114, 124, 314 and 324; panels including option "10A"; panels including any "non-catalog" options; obsolete panels; and panels more than one year from the date of manufacture cannot be returned for any reason. Contact your customer service representative for instructions on returning a product for warranty.

PRICING SUBJECT TO CHANGE WITHOUT NOTICE.

Three-Year Limited Warranty*

SJE-Rhombus warrants to the original consumer that this product shall be free of manufacturing defects for three years after the date of consumer purchase. During that time period and subject to the conditions set forth below, SJE-Rhombus will repair or replace, for the original consumer, any component which proves to be defective due to defective materials or workmanship of SJE-Rhombus.

THE THREE-YEAR LIMITED WARRANTY DOES NOT APPLY TO THE MOTOR START KIT COMPONENTS. SJE-RHOMBUS WILL WARRANTY MOTOR START KIT COMPONENTS, SUPPLIED BY SJE-RHOMBUS FOR ONE YEAR. SJE-RHOMBUS MAKES NO WARRANTIES OF ANY TYPE WITH RESPECT TO MOTOR START KITS SUPPLIED BY A CUSTOMER.

ELECTRICAL WIRING AND SERVICING OF THIS PRODUCT MUST BE PERFORMED BY A LICENSED ELECTRICIAN.

This warranty does not apply to: (a) damage due to lightning or conditions beyond the control of SJE-Rhombus; (b) defects or malfunctions resulting from units not installed, operated, or maintained in accordance with instructions provided, applicable local codes, ordinances, or accepted trade practices; (c) failures resulting from abuse, misuse, accident, or negligence; or (d) units repaired and/or modified without prior authorization from SJE-Rhombus.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

TO OBTAIN WARRANTY SERVICE: The consumer shall assume all responsibility and expense for removal, reinstallation, and freight. Any item to be repaired or replaced under this warranty must be returned to SJE-Rhombus, or such place as designated by SJE-Rhombus. Contact customer service at 1-888-DIAL-SJE (1-888-342-5753) for a Return Materials Authorization number (RMA) on any product being returned for a warranty claim.

ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS ARE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. SJE-RHOMBUS SHALL NOT, IN ANY MATTER, BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES AS A RESULT OF A BREACH OF THIS WRITTEN WARRANTY OR ANY IMPLIED WARRANTY.

*Engineered Custom panels carry a two-year limited warranty or as quoted.

*CP3R panels carry a five-year limited warranty on the variable frequency drive and a one-year limited warranty on the CP3R panel (excluding the drive).

EZ Series® - Single Phase Simplex (Demand/TD)

Single phase, simplex demand dose or timed dose float controlled system for pump control and system monitoring.

The EZ Series® simplex control panel is designed to control one 120, 208, 240 VAC single phase pump in water and sewage installations.

The EZ Series® simplex control panel features a display on the inside of the front cover for programming and system monitoring.

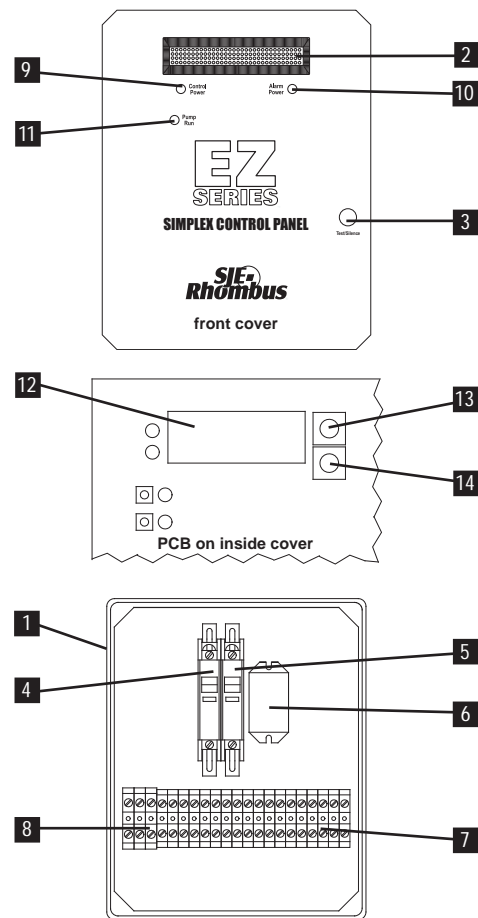
The panel configuration can be easily converted in the field to either a timed dose or demand dose.

The optional post models include an access door. The post can be mounted in the ground directly, over a 4X4, or conduit. The panel is also available with optional duo alarm to meet the needs of various applications.

PANEL COMPONENTS

1. **Enclosure** base measures 10 X 8 X 6 inches (25.4 X 20.32 X 15.24 cm). NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use). Includes locking latch as standard. **Note:** Options, voltage, and amp range selected may change enclosure size and component layout.
2. **Red Alarm Beacon** provides visual check of alarm condition.
3. **Exterior Alarm Test/Silence Switch** allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition is cleared.
4. **Circuit Breaker** provides pump power disconnect and branch circuit protection.
5. **Circuit Breaker** provides control/alarm power disconnect.
6. **Power Relay** controls pump by switching electrical lines.
7. **Float Connection Terminal Block**
8. **Incoming Control/Alarm Power & Pump Power Terminal Block**
9. **Control Power Indicator** indicator light illuminates if control power is present in panel.
10. **Alarm Power Indicator** indicator light illuminates if alarm power is present in panel.
11. **Pump Run Indicator** will illuminate when pump is called to run.
12. **LED Display** shows system information including: pump elapsed time (hh:mm), events (cycles).
13. **Menu/Enter Button** used for viewing panel settings.
14. **Set/Change Button** used for programming panel settings.
15. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating). (Located inside panel on cover, not shown)

NOTE: Schematic/Wiring Diagram and Pump Specification Label are located inside the panel.



Model Shown EZS21W914X6A8AC10E15A (Inside view)

Reg. Cdn Pat. & TM Off

FEATURES

- Entire control system (panel and switches) is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Standard package includes:
 - Demand Dose** - three 20' SJE MilliAmpMaster™ control switches
 - Timed Dose** - two 20' SJE MilliAmpMaster™ control switches
- Complete with step-by-step installation instructions
- Three-year limited warranty



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SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

EZS		1	W			4		3A 6A 8AC 10E 15A
MODEL EZS								
MODEL TYPE								
<input type="checkbox"/>	1 = SPLX TIMED DOSE							\$640.00
<input type="checkbox"/>	2 = SPLX DEMAND DOSE							\$667.00
ALARM PACKAGE								
<input checked="" type="checkbox"/>	1 = alarm package (includes test/normal/silence switch, fuse, red light & horn)							Base
ENCLOSURE RATING								
<input checked="" type="checkbox"/>	W = NEMA 4X							Base
STARTING DEVICE								
<input type="checkbox"/>	1 = 120/208/240 VAC							Base
<input type="checkbox"/>	9 = 120 VAC							Base
PUMP FULL LOAD AMPS								
<input type="checkbox"/>	0 = 0-7 FLA							Base
<input type="checkbox"/>	1 = 7-15 FLA							Base
<input type="checkbox"/>	2 = 15-20 FLA							Base
PUMP DISCONNECTS								
<input checked="" type="checkbox"/>	4 = circuit breaker(s)							
	120 VAC (must select starting device option 9)							\$35.00
	120/208/240 VAC (must select starting device option 1)							\$70.00
SWITCH APPLICATIONS								
<input type="checkbox"/>	H = floats (Timed dose = timer enable and alarm / Demand dose = stop, start, and lag/alarm) (select 17 option)							Base
<input type="checkbox"/>	X = no float (Time dose)							\$50.00
	(Demand dose)							\$75.00
Note: Pump down applications only.								
OPTIONS <i>Listed below</i>								

CODE DESCRIPTION		LIST PRICE	CODE DESCRIPTION		LIST PRICE
<input type="checkbox"/>	1J Duo alarm inputs	\$20.00	<input type="checkbox"/>	17C Sensor Float® / internally weighted ▲ (per float)	\$5.00
<input checked="" type="checkbox"/>	3A Alarm Flasher (included as standard)	\$0.00	<input type="checkbox"/>	17D Sensor Float® / externally weighted ▲ (per float)	\$7.00
<input type="checkbox"/>	4A Redundant off (timed dose only) (select 4D if floats are required)	\$0.00	<input type="checkbox"/>	17G MilliAmpMaster™ / pipe clamp ● (per float)	\$0.00
<input type="checkbox"/>	4D Redundant off float (must select 4A option) (must select 17 option)	\$25.00	<input type="checkbox"/>	17H MilliAmpMaster™ / externally weighted ● (per float)	\$7.00
<input checked="" type="checkbox"/>	6A Auxiliary alarm contacts, form A (included as standard)	\$0.00	<input type="checkbox"/>	17J Sensor Float® / pipe clamp ▲ (per float)	\$0.00
<input checked="" type="checkbox"/>	8AC Display board includes: ETM counter, events (cycles) counter, alarm counter (included as standard)	\$0.00	<input type="checkbox"/>	18A Timer override float (timed dose only)	\$25.00
<input checked="" type="checkbox"/>	10E Lockable latch - NEMA 4X (included as standard)	\$0.00	<input type="checkbox"/>	22G 2 1/2" hub installed with 6 hole cord seal	\$73.00
<input type="checkbox"/>	10P Mounting post (factory installed with 2.5" cord seal)	\$110.00	● Mechanically-activated ▲ Mercury-activated		
<input checked="" type="checkbox"/>	15A Control / Alarm circuit breaker (included as standard)	\$0.00			
<input type="checkbox"/>	16A 10' cord in lieu of 20' (per float)	\$2.00			
<input type="checkbox"/>	16B 15' cord in lieu of 20' (per float)	\$1.00			
<input type="checkbox"/>	16C 30' cord in lieu of 20' (per float)	\$5.00			
<input type="checkbox"/>	16D 40' cord in lieu of 20' (per float)	\$15.00			

If additional features are required, call the factory for a quote on an Engineered Custom control panel.

SAMPLE

MODEL		EZS	2	1	W	1	1	4	H	3A 6A 8AC 10E 15A 17G	EZS2 See List Price	
Model Type											1	Base
Alarm Package											W	Base
Enclosure Rating											1	Base
Starting Device											1	Base
Pump Full Load Amps											4	\$70.00
Pump Disconnects											H	Base
Switch Application											3A	Base
Options: Auxiliary alarm contact, form C,											6A	Base
Display, Lockable Latch, Control/Alarm breaker,											8AC	Base
SJE MilliAmpMaster™/pipe clamp											10E	Base
											15A	Base
											17G	\$0.00
										TOTAL LIST PRICE	\$XXX.XX	

EZ Series® - Single Phase Duplex (Demand)

Single phase, duplex demand dose float controlled system for pump control and system monitoring.

The EZ Series® duplex control panel is designed to control two (alternating) 120, 208, 240 VAC single phase pumps in water and sewage installations. The alternating action equalizes pump wear. In addition to the alternating pump control, this system provides override control should either pump fail.

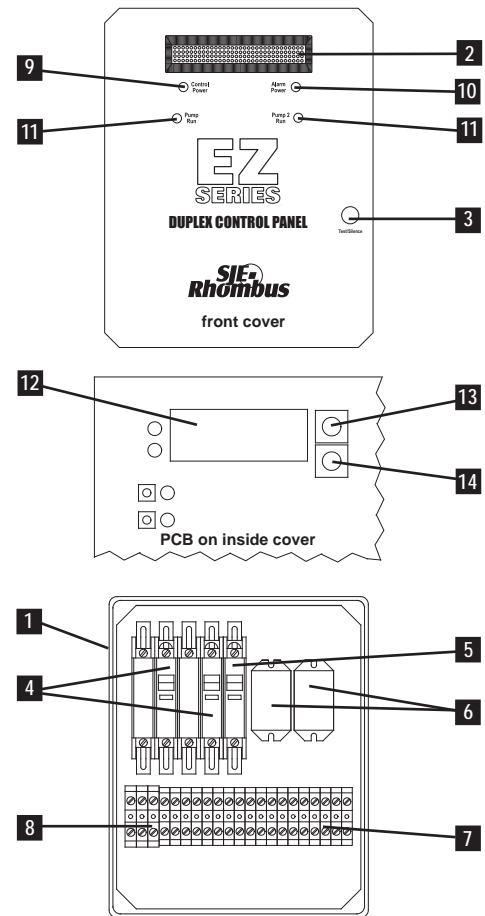
The EZ Series® duplex control panel features a display on the inside of the front cover for programming and system monitoring.

The optional post models include an access door. The post can be mounted in the ground directly, over a 4X4, or conduit. The panel is also available with optional duo alarm to meet the needs of various applications.

PANEL COMPONENTS

1. **Enclosure** base measures 10 X 10 X 6 inches (25.4 X 25.4 X 15.24 cm). NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use). Includes locking latch as standard. **Note:** Options, voltage, and amp range selected may change enclosure size and component layout.
2. **Red Alarm Beacon** provides visual check of alarm condition.
3. **Exterior Alarm Test/Silence Switch** allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition is cleared.
4. **Circuit Breakers** provide pump power disconnect and branch circuit protection.
5. **Circuit Breaker** provides control/alarm power disconnect.
6. **Power Relays** control pump(s) by switching electrical lines.
7. **Float Connection Terminal Block**
8. **Incoming Control/Alarm Power & Pump Power Terminal Block**
9. **Control Power Indicator** light illuminates if control power is present in panel.
10. **Alarm Power Indicator** light illuminates if alarm power is present in panel.
11. **Pump Run Indicators** will illuminate when pumps are called to run.
12. **LED Display** shows system information including: pump elapsed time (hh:mm), events (cycles).
13. **Menu/Enter Button** used for viewing panel settings.
14. **Set/Change Button** used for programming panel settings.
15. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating). (Located inside panel on cover, not shown)

NOTE: Schematic/Wiring Diagram and Pump Specification Label are located inside the panel on enclosure cover.



Model Shown EZS41W114X6A8AC10E15A
(Inside view)

Reg. Cdn Pat. & TM Off

FEATURES

- Entire control system (panel and switches) is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Standard package includes: three 20' SJE MilliAmpMaster™ control switches
- Complete with step-by-step installation instructions
- Three-year limited warranty



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EZS4		1	W			4		3A 6A 8AC 10E 15A
MODEL EZS4								\$838.00
<input checked="" type="checkbox"/>	ALARM PACKAGE 1 = alarm package (includes test/normal/silence switch, fuse, red light & horn)							Base
<input checked="" type="checkbox"/>	ENCLOSURE RATING W = NEMA 4X							Base
<input type="checkbox"/>	STARTING DEVICE 1 = 120/208/240 VAC							Base
<input type="checkbox"/>	9 = 120 VAC							Base
<input type="checkbox"/>	PUMP FULL LOAD AMPS 0 = 0-7 FLA							Base
<input type="checkbox"/>	1 = 7-15 FLA							Base
<input type="checkbox"/>	2 = 15-20 FLA							Base
<input checked="" type="checkbox"/>	PUMP DISCONNECTS 4 = circuit breaker(s)							
	120 VAC (must select starting device option 9)							\$70.00
	120/208/240 VAC (must select starting device option 1)							\$140.00
<input type="checkbox"/>	SWITCH APPLICATIONS H = floats (select 17 option)							Base
<input type="checkbox"/>	X = no float							-\$75.00
Note: Pump down applications only.								
OPTIONS <i>Listed below</i>								
Total Options								
TOTAL LIST PRICE								

CODE	DESCRIPTION	LIST PRICE	CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/>	1J Duo alarm inputs	\$20.00	<input type="checkbox"/>	17C Sensor Float® / internally weighted ▲ (per float)	\$5.00
<input checked="" type="checkbox"/>	3A Alarm Flasher (included as standard)	\$0.00	<input type="checkbox"/>	17D Sensor Float® / externally weighted ▲ (per float)	\$7.00
<input checked="" type="checkbox"/>	6A Auxiliary alarm contacts, form A (included as standard)	\$0.00	<input type="checkbox"/>	17G MilliAmpMaster™ / pipe clamp ● (per float)	\$0.00
<input checked="" type="checkbox"/>	8AC Display board includes: ETM counter, events (cycles) counter, alarm counter (included as standard)	\$0.00	<input type="checkbox"/>	17H MilliAmpMaster™ / externally weighted ● (per float)	\$7.00
<input checked="" type="checkbox"/>	10E Lockable latch - NEMA 4X (included as standard)	\$0.00	<input type="checkbox"/>	17J Sensor Float® / pipe clamp ▲ (per float)	\$0.00
<input type="checkbox"/>	10P Mounting post (factory installed with 2.5" cord seal)	\$110.00	<input type="checkbox"/>	19F Fourth float to separate alarm function from lag (demand dose float panel only)	\$25.00
<input checked="" type="checkbox"/>	15A Control / Alarm circuit breaker (included as standard)	\$0.00	<input type="checkbox"/>	22G 2 1/2" hub installed with 6 hole cord seal	\$73.00
<input type="checkbox"/>	16A 10' cord in lieu of 20' (per float)	\$2.00			
<input type="checkbox"/>	16B 15' cord in lieu of 20' (per float)	\$1.00			
<input type="checkbox"/>	16C 30' cord in lieu of 20' (per float)	\$5.00			
<input type="checkbox"/>	16D 40' cord in lieu of 20' (per float)	\$15.00			

● Mechanically-activated ▲ Mercury-activated

If additional features are required, call the factory for a quote on an Engineered Custom control panel.

SAMPLE

MODEL		EZS	4	1	W	1	1	4	H	3A 6A 8AC 10E 15A 17G
Model Type										EZS4 See List Price
Alarm Package										1 Base
Enclosure Rating										W Base
Starting Device										1 Base
Pump Full Load Amps										1 Base
Pump Disconnects										4 \$140.00
Switch Application										H Base
Options: Auxiliary alarm contact, form C,										3A Base
Display, Lockable Latch, Control/Alarm breaker,										6A Base
SJE MilliAmpMaster™/pipe clamp										8AC Base
										10E Base
										15A Base
										17G \$0.00
TOTAL LIST PRICE										\$XXX.XX

EZ Series® In-Site® CL - Single Phase Simplex (Demand/TD)

Single phase, simplex demand dose or timed dose C-Level™ sensor controlled system for pump control and system monitoring.

The EZ Series® In-Site® CL simplex control panel is designed to control one 120, 208, 240 VAC single phase pump in water and sewage installations.

The panel configuration can be easily converted in the field to either a timed dose or demand dose with use of a laptop computer. Quick retrieval of all system events including pump run times, pump cycles, alarm conditions, power outages, service calls and more can be done by downloading panel information to a Windows based PC. Data reports make diagnosing system conditions easy.

The optional post models include an access door. The post can be mounted in the ground directly, over a 4X4, or conduit.

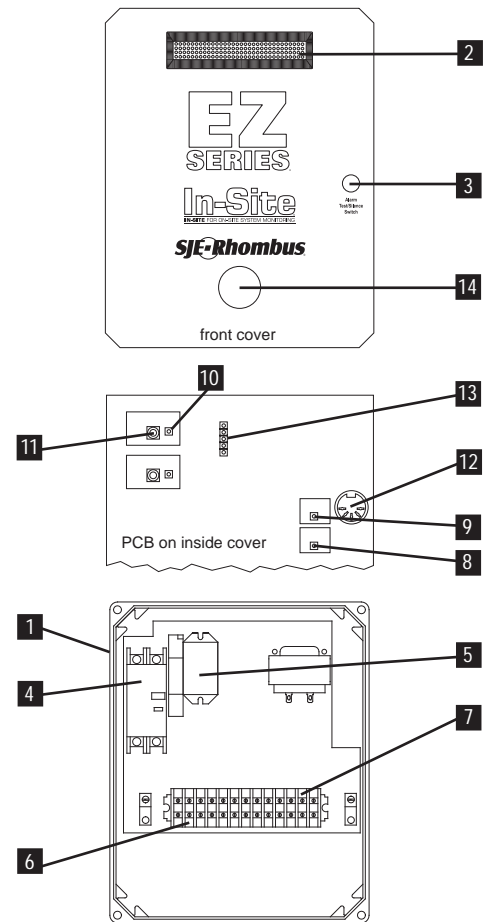
The C-Level™ sensor is a pressure transducer that senses the liquid level in the tank and sends a signal to the EZ Series® In-Site® panel. C-Level™ CL40 sensor operating range is 3-39.9 inches (7.6-101.3 cm). C-Level™ CL100 operating range is 3-99.5 inches (7.6-252.7 cm).

PANEL COMPONENTS

1. **Enclosure** base measures 10 X 8 X 6 inches (25.4 X 20.32 X 15.24 cm). NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use). Includes locking latch as standard.
2. **Red Alarm Beacon** provides visual check of alarm condition.
3. **Exterior Alarm Test/Silence Switch** allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition is cleared.
4. **Circuit Breaker** provides pump power disconnect and branch circuit protection.
5. **Power Relay** controls pump by switching electrical lines.
6. **C-Level™ Sensor/Float Connection Terminal Block**
7. **Incoming Control/Alarm Power & Pump Power Terminal Block**
8. **Control Power Indicator** indicator light illuminates if control power is present in panel.
9. **Alarm Power Indicator** indicator light illuminates if alarm power is present in panel.
10. **Pump Run Indicator** illuminates when pump is called to run.
11. **Pump Push to Run Switch**
12. **Modbus Port Connector**
13. **Tank Level Indicator**
14. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).

NOTE: Schematic/Wiring Diagram and Pump Specification Label are located inside the panel.

NOTE: Optional data cable(PN1032222) required to configure panel and download data to PC.



**Model Shown EZIS1W114C3A4A6A10E24E
(Inside view)**

Reg. Cdn Pat. & TM Off

C-Level™ Sensor US Patent 8,336,385. Other patents pending.

FEATURES

- Entire control system (panel and switches) is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Standard package includes:
one 4' vent tube with 20' cord
C-Level™ CL40 sensor
- Complete with step-by-step installation instructions
- Three-year limited warranty



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SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

EZ Series® In-Site® CL - Single Phase Duplex (Demand/TD)

Single phase, duplex demand dose C-Level™ sensor controlled system for pump control and system monitoring.

The EZ Series® In-Site® CL duplex control panel is designed to control two (alternating) 120, 208, 240 VAC single phase pumps in water and sewage installations. The alternating action equalizes pump wear. In addition to the alternating pump control, this system provides override control should either pump fail.

The panel configuration can easily be converted in the field to either a timed dose or demand dose with use of a laptop computer. Quick retrieval of all system events including pump run times, pump cycles, alarm conditions, power outages, service calls and more can be done by downloading panel information to a Windows based PC. Data reports make diagnosing system conditions easy.

The optional post models include an access door. The post can be mounted in the ground directly, over a 4X4, or conduit.

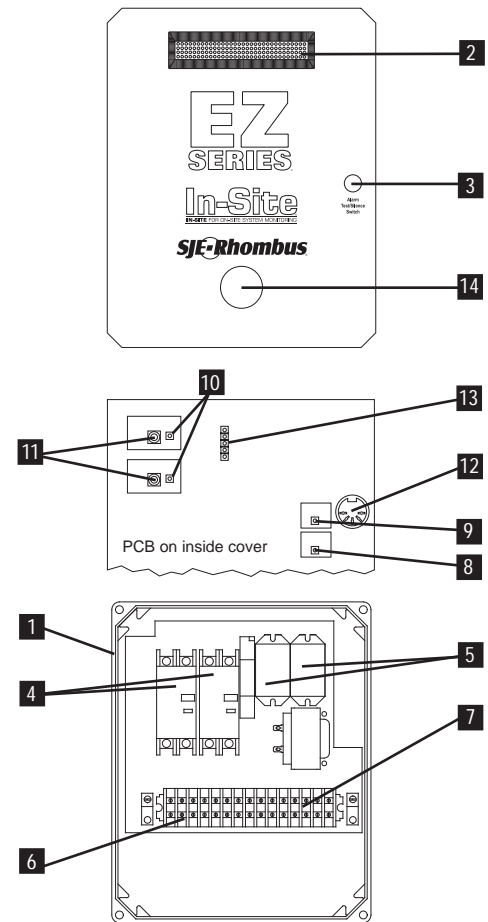
The C-Level™ sensor is a pressure transducer that senses the liquid level in the tank and sends a signal to the EZ Series® In-Site® panel. C-Level™ CL40 sensor operating range is 3-39.9 inches (7.6-101.3 cm). C-Level™ CL100 operating range is 3-99.5 inches (7.6-252.7 cm).

PANEL COMPONENTS

1. **Enclosure** base measures 10 X 10 X 6 inches (25.4 X 25.4 X 15.24 cm). NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use). Includes locking latch as standard.
2. **Red Alarm Beacon** provides visual check of alarm condition.
3. **Exterior Alarm Test/Silence Switch** allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition is cleared.
4. **Circuit Breakers** provide pump power disconnect and branch circuit protection.
5. **Power Relays** control pump by switching electrical lines.
6. **C-Level™ Sensor/Float Connection Terminal Block**
7. **Incoming Control/Alarm Power & Pump Power Terminal Block**
8. **Control Power Indicator** indicator light illuminates if control power is present in panel.
9. **Alarm Power Indicator** indicator light illuminates if alarm power is present in panel.
10. **Pump Run Indicators** illuminate when pumps are called to run.
11. **Pump Push to Run Switches**
12. **Modbus Port Connector**
13. **Tank Level Indicator**
14. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).

NOTE: Schematic/Wiring Diagram and Pump Specification Label are located inside the panel.

NOTE: Optional data cable(PN1032222) required to configure panel and download data to PC.



Model Shown EZID1W114C3A4A6A10E24E (Inside view)

Reg. Cdn Pat. & TM Off

C-Level™ Sensor US Patent 8,336,385. Other patents pending.

FEATURES

- Entire control system (panel and switches) is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Standard package includes:
one 4' vent tube with 20' cord
C-Level™ CL40 sensor
- Complete with step-by-step installation instructions
- Three-year limited warranty



SJE Rhombus®

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SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

MODEL EZI

<input checked="" type="checkbox"/>	MODEL TYPE	EZI	D	1	W	1		4	C	3A 4A 6A 10E	
<input checked="" type="checkbox"/>	D = Duplex									\$1089.00	
<input checked="" type="checkbox"/>	ALARM PACKAGE	1									Base
1 = alarm package (includes test/normal/silence switch, fuse, red light & horn)											
<input checked="" type="checkbox"/>	ENCLOSURE RATING	W									Base
W = NEMA 4X											
<input checked="" type="checkbox"/>	STARTING DEVICE	1									Base
1 = 120/208/240 VAC											
<input type="checkbox"/>	PUMP FULL LOAD AMPS	0									Base
<input type="checkbox"/>		1									Base
<input type="checkbox"/>		2									Base
0 = 0-7 FLA 1 = 7-15 FLA 2 = 15-20 FLA											
<input checked="" type="checkbox"/>	PUMP DISCONNECTS	4									Base
4 = circuit breaker											
<input checked="" type="checkbox"/>	SWITCH APPLICATIONS	C									Base
C = C-Level™ sensor (must choose 24 or 29 option)											
Note: Pump down applications only.											
Industry practices suggest that a secondary device, such as a float switch, be used for redundant activation of the high level alarm and pump shut off.											

OPTIONS *Listed below*

CODE DESCRIPTION		LIST PRICE	CODE DESCRIPTION		LIST PRICE
<input checked="" type="checkbox"/>	3A Alarm Flasher (included as standard)	\$0.00	<input type="checkbox"/>	17C Sensor Float® / internally weighted ▲ (per float)	\$5.00
<input type="checkbox"/>	3E High water alarm float (must select 17 option)	\$25.00	<input type="checkbox"/>	17D Sensor Float® / externally weighted ▲ (per float)	\$7.00
<input checked="" type="checkbox"/>	4A Redundant off (included as standard)	\$0.00	<input type="checkbox"/>	17G MilliAmpMaster™ / pipe clamp ● (per float)	\$0.00
<input type="checkbox"/>	4D Redundant off float		<input type="checkbox"/>	17H MilliAmpMaster™ / externally weighted ● (per float)	\$7.00
	(must select 4A option) (must select 17 option)	\$25.00	<input type="checkbox"/>	17J Sensor Float® / pipe clamp ▲ (per float)	\$0.00
<input checked="" type="checkbox"/>	6A Auxiliary alarm contacts, form A (included as standard)	\$0.00	<input type="checkbox"/>	24E C-Level™ CL40 sensor with 4' vent tube and 20' cord	Base
<input checked="" type="checkbox"/>	10E Lockable latch - NEMA 4X (included as standard)	\$0.00	<input type="checkbox"/>	24F C-Level™ CL40 sensor with 4' vent tube and 40' cord	\$30.00
<input type="checkbox"/>	10P Mounting post (factory installed)	\$90.00	<input type="checkbox"/>	24G C-Level™ CL40 sensor with 8' vent tube and 20' cord	\$5.00
<input type="checkbox"/>	16A 10' cord in lieu of 20' (per float)	\$2.00	<input type="checkbox"/>	24H C-Level™ CL40 sensor with 8' vent tube and 40' cord	\$35.00
<input type="checkbox"/>	16B 15' cord in lieu of 20' (per float)	\$1.00	<input type="checkbox"/>	24X No C-Level™ CL40 sensor	\$280.00
<input type="checkbox"/>	16C 30' cord in lieu of 20' (per float)	\$5.00	<input type="checkbox"/>	29A C-Level™ CL100 sensor w/10' vent tube & 20' cord	\$10.00
<input type="checkbox"/>	16D 40' cord in lieu of 20' (per float)	\$15.00	<input type="checkbox"/>	29B C-Level™ CL100 sensor w/10' vent tube & 40' cord	\$40.00
			<input type="checkbox"/>	29X No C-Level™ CL100 sensor	\$280.00

● Mechanically-activated ▲ Mercury-activated

ALSO AVAILABLE

1032222 - EZ Series® Insite® CL data connection cableContact SJE-Rhombus® Customer Service Department for price.

If additional features are required, call the factory for a quote on an Engineered Custom control panel.

SAMPLE**MODEL**

Model Type **EZI**
 Alarm Package **D**
 Enclosure Rating **1**
 Starting Device **W**
 Pump Full Load Amps **1**
 Pump Disconnects **1**
 Switch Application **4**
 Options: Flasher, Redundant Off, Auxiliary alarm contact, form A, Lockable Latch

EZID See List Price
 1 Base
 W Base
 1 Base
 1 Base
 4 Base
 C Base
 3A Base
 4A Base
 6A Base
 10E Base

TOTAL LIST PRICE \$XXX.XX

EZ Series® Plugger Control Panel

Easy to install control panel provides convenient wiring connection for use with one single phase pump in effluent and sewage installations.

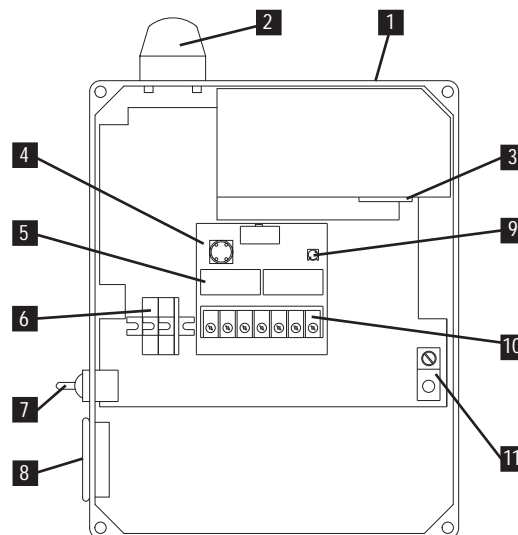
The EZ Series® Plugger control panels feature a sleek easy to install panel and optional mounting post. The panel includes a built-in high water alarm with test/normal/silence switch and incorporates a receptacle to accept 120 VAC or 240 VAC pump and piggy-back pump switch.

The optional post models include an access door and cord seal which allow piggy-back and pump plugs to be easily routed and sealed into the panel. The post can be mounted in the ground directly, over a 4X4, or over conduit. The panel is also available with optional duo alarm and auxiliary contacts to meet the needs of various applications.

PANEL COMPONENTS

1. **Enclosure** measures 10 x 8 x 6 inch (25.40 x 20.30 x 15.2 cm) with removable mounting feet, NEMA 4X rated, ultraviolet stabilized thermoplastic for indoor and outdoor use. Includes locking latch as standard.
2. **Red Alarm Beacon** provides 360° visual check of alarm condition.
3. **Receptacle** for use with piggy-back pump switch.
4. **Alarm Fuse** (mounted on circuit board).
5. **Horn Silence Relay** (mounted on circuit board).
6. **Pump Circuit Terminal Block**
7. **Exterior Alarm Test/Normal/Silence Switch** allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition is cleared.
8. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).
9. **Alarm Power Indicator** (mounted on circuit board).
10. **Alarm Circuit Terminal Block** (mounted on circuit board).
11. **Ground Lug**

NOTE: Schematic/Wiring Diagram is located inside the panel.



FEATURES

- Entire control system (panel and switches, excluding VRS) is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Standard package includes alarm float switch
- Complete with step-by-step installation instructions
- Three-year limited warranty



OPTIONAL FEATURES

- 34" mounting post with cord seal
- Duo Alarm
- Elapsed Time Meter (See Accessories catalog page for information.)
- Various cord lengths available
- Pump circuit breaker

SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

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MODEL EZP

MODEL	EZP	W	C	10E
<input type="checkbox"/> 1 = 120V				\$301.00
<input type="checkbox"/> 2 = 240V				\$374.00
ALARM PACKAGE				
<input type="checkbox"/> 0 = no alarm package				-\$35.00
<input type="checkbox"/> 1 = alarm package				Base
ENCLOSURE RATING				
<input checked="" type="checkbox"/> W = Weatherproof, NEMA 4X (engineered thermoplastic)				Base
STARTING DEVICE				
<input type="checkbox"/> 2 = SJE PumpMaster® Plus pump switch (0-15 FLA)				\$60.00
<input type="checkbox"/> 6 = no pump switch				Base
<input type="checkbox"/> 7 = 120 VAC Double Float® Master pump switch (0-15 FLA)				\$90.00
<input type="checkbox"/> 8 = 240 VAC Double Float® Master pump switch (0-15 FLA)				\$90.00
<input type="checkbox"/> A = SJE MicroMaster® Plus WS (0-13 FLA)				\$45.00
PUMP FULL LOAD AMPS				
<input checked="" type="checkbox"/> C = 0-15 FLA				Base
PUMP DISCONNECT				
<input type="checkbox"/> 0 = no pump disconnect				Base
<input type="checkbox"/> 4 = circuit breaker				
120 VAC				\$35.00
240 VAC				\$70.00
SWITCH APPLICATION				
<input type="checkbox"/> H = pump down (must select 17 option)				Base
<input type="checkbox"/> X = no alarm floats				-\$25.00

OPTIONS *Listed below*

Total Options _____
TOTAL LIST PRICE _____

CODE	DESCRIPTION	LIST PRICE	CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/> 1J	Duo alarm inputs with alarm	\$70.00	<input type="checkbox"/> 16B	15' cord in lieu of 20' (per float)	-\$1.00
	without alarm	\$25.00	<input type="checkbox"/> 16C	30' cord in lieu of 20' (per float)	\$5.00
<input type="checkbox"/> 1V	Vertical Reed Switch (must select 1J)	\$65.00	<input type="checkbox"/> 16D	40' cord in lieu of 20' (per float)	\$7.00
<input type="checkbox"/> 6A	Auxiliary alarm contacts, form C	\$15.00	<input type="checkbox"/> 17A	SJE SignalMaster® / pipe clamp ● (alarm float only)	\$0.00
<input type="checkbox"/> 8G	ETM w/piggy-back	\$85.00	<input type="checkbox"/> 19Z	One incoming power	\$10.00
<input checked="" type="checkbox"/> 10E	Locking Latch (included as standard)	\$0.00	<input type="checkbox"/> 22C	2" hub installed with cord seal	\$55.00
<input type="checkbox"/> 10P	Mounting post (factory installed, includes cord seal)	\$90.00	<input type="checkbox"/> 22F	PSP Assembly kit	\$55.00
<input type="checkbox"/> 11C	NEMA 1 alarm panel (must select option 6A)	\$80.00			
<input type="checkbox"/> 11G	NEMA 4X alarm panel (TA Duo) (must select option 1J)	\$132.00			
<input type="checkbox"/> 16A	10' cord in lieu of 20' (per float)	-\$2.00			
	(Does not apply for Double Float® Master pump switch)				

● Mechanically-activated

SAMPLE

MODEL	EZP1	1	W	2	C	O	H	1J 10EP 11G 17A	EZP1 See Price List
Alarm Package									1 Base
Enclosure Rating									W Base
Starting Device									2 \$60.00
Pump Full Load Amps									C Base
Pump Disconnect									O Base
Float Switch Application									H Base
Options: Duo alarm inputs, Locking Latch									1J \$70.00
Mounting Post, Duo Alarm, &									10E Base
SJE Signal Master®/pipe clamp									10P \$90.00
									11G \$132.00
									17A \$0.00
									TOTAL LIST PRICE \$XXX.XX

INSTALLER FRIENDLY SERIES® - IFS Single Phase Simplex (Demand/TD)

Single phase, simplex demand dose or timed dose, float or C-Level™ controlled system for pump control and system monitoring.

The IFS simplex control panel is designed to control one 120, 208, 240 VAC single phase pump in water and sewage installations. The panel features an easy-to-use touch pad with display on the inner door for programming and system monitoring. The panel configuration can be easily converted in the field to either a timed dose or demand dose.

The optional C-Level™ sensor is a pressure transducer that senses the liquid level in the tank and sends a signal to the IFS panel. Pump activation levels can be adjusted by using the panel touch pad. C-Level™ CL40 sensor operating range is 3-39.9 inches (7.6-101.3 cm). C-Level™ CL100 operating range is 3-99.5 inches (7.6-252.7 cm).

TOUCH PAD FEATURES

- A. **Level Status Indicators** illuminate when floats or set points are activated. Alarm will activate if a float operates out of sequence.
- B. **HOA (Hand-Off-Automatic) Buttons** control pump mode with indication. Hand mode defaults to Automatic when stop level or redundant off level is reached.
- C. **Pump Run Indicator** illuminates when pump is called to run.
- D. **LED Display** shows system information including: level in inches or centimeters (C-Level™ only), mode, pump elapsed time (hh:mm), events (cycles), alarm counter, float error count, timed dose override counter (timed dose only), and ON/OFF times (timed dose only).
- E. **NEXT Push Button** toggles display.
- F. **UP and SET Push Buttons** set pump ON/OFF times (timed dose only) or activation levels (C-Level™ only).

PANEL COMPONENTS

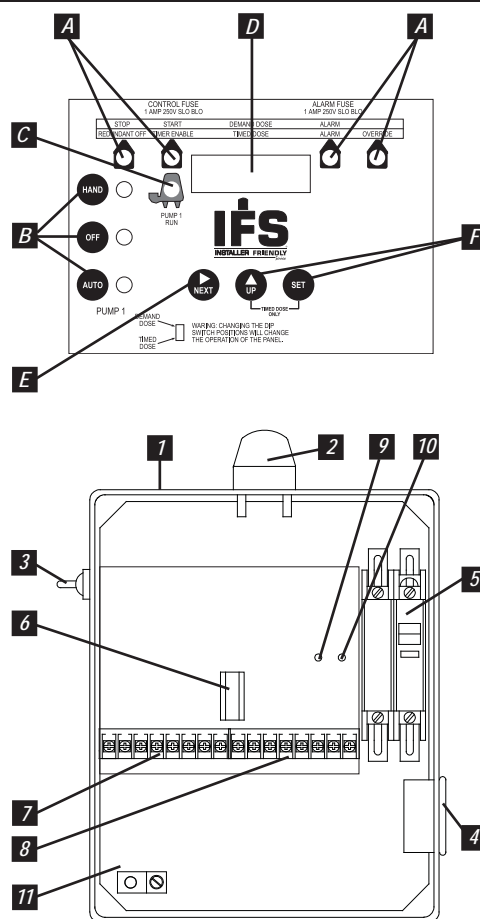
1. **Enclosure** base measures 10 X 8 X 4 inches (25.4 X 20.32 X 10.16 cm). NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use). **Note:** Options, voltage, and amp range selected may change enclosure size and component layout.
2. **Red Alarm Beacon** provides 360° visual check of alarm condition.
3. **Exterior Alarm Test/Normal/Silence Switch** allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition is cleared.
4. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).
5. **Circuit Breaker** (optional) provides pump disconnect and branch circuit protection.
6. **Power Relay** controls pump by switching electrical lines. Definite purpose contactor used when pump full load amps are above 15.
7. **Float Connection Terminal Block**
8. **Incoming Control/Alarm Power & Pump Terminal Block**
9. **Control Power Indicator/Fuse** indicator light illuminates if control power is present in panel. Alarm will activate if control fuse is blown.
10. **Alarm Power Indicator/Fuse** indicator light illuminates if alarm power is present in panel.
11. **Ground Lug**

NOTE: Schematic/Wiring Diagram and Pump Specification Label are located inside the panel on enclosure cover

OPTIONAL FEATURE

- **34" (86.36cm) Panel Mounting Post** (Factory Installed). Includes Duplex Installation Kit (Enclosure upsized to 10" x 8" x 6" (25.4 x 20.32 x 15.24 cm). Max. Enclosure size 14" x 12" x 6" (35.56 x 30.48 x 15.24 cm)

SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.



Model Shown IFS11W114X8AC

Reg. Cdn Pat. & TM Off
C-Level™ Sensor US Patent 8,336,385. Other patents pending.

FEATURES

- Entire control system is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Standard package includes:
Demand Dose - three 20' SJE MilliAmpMaster™ control switches
Timed Dose - two 20' SJE MilliAmpMaster™ control switches
- Complete with step-by-step installation instructions
- Three-year limited warranty



SJE Rhombus

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IFS

1

W

8AC

MODEL IFS

MODEL TYPE

- 1 = SPLX TIMED DOSE (includes option 8AC standard) \$824.00
 2 = SPLX DEMAND DOSE (includes option 8AC standard) \$852.00

ALARM PACKAGE

- 1 = alarm package (includes test/normal/silence switch, fuse, red light & horn) Base

ENCLOSURE RATING

- W = NEMA 4X Base

STARTING DEVICE

- 1 = 120/208/240 VAC Base
 9 = 120 VAC Base

PUMP FULL LOAD AMPS

- 0 = 0-7 FLA Base
 1 = 7-15 FLA Base
 2 = 15-20 FLA \$80.00

PUMP DISCONNECTS

- 0 = no pump disconnect Base
 4 = circuit breaker
 120 VAC (must select starting device option 9) \$35.00
 120/208/240 VAC (must select starting device option 1) \$70.00

SWITCH APPLICATIONS

- H = floats (Timed dose = timer enable and alarm / Demand dose = stop, start, and alarm) (select 17 option) Base
 X = no floats
 timed dose -\$50.00
 demand dose -\$75.00
 C = C-Level™ sensor (must select 24 or 29 option)
 (select option 3E and/or 4A & 4D for high water alarm and/or redundant off floats)
 timed dose -\$50.00
 demand dose -\$75.00

Note: Pump down applications only.

Industry practices suggest that a secondary device, such as a float switch, be used for redundant activation of the high level alarm and pump shut off.

OPTIONS Listed below

Total Options
TOTAL LIST PRICE

CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/>	1J Duo alarm inputs	\$25.00
<input type="checkbox"/>	3A Alarm flasher	\$50.00
<input type="checkbox"/>	3B Manual alarm reset	\$90.00
<input type="checkbox"/>	3E High water alarm float (must select 17 option)	\$25.00
(Available only when Switch Applications = C)		
<input type="checkbox"/>	4A Redundant off (select option 4D if floats are required)	
	Demand Dose	\$55.00
	Timed Dose	\$0.00
<input type="checkbox"/>	4D Redundant off float	
	(must select 4A option) (must select 17 option)	\$25.00
<input type="checkbox"/>	6A Auxiliary alarm contacts, form C	\$40.00
<input checked="" type="checkbox"/>	8AC Display board includes: ETM counter, events (cycles) counter, alarm counter, and override counter (timed dose only). (Included as standard.)	\$0.00
<input type="checkbox"/>	10E Lockable latch - NEMA 4X	\$40.00
<input type="checkbox"/>	10F Lightning arrestor (must select pump circuit breaker, control and alarm power combined)	\$230.00
<input type="checkbox"/>	10K Anti-condensation heater	\$100.00
<input type="checkbox"/>	10P Panel Mounting Post (Factory Installed. Includes Duplex Install. Kit)(Enclosure upsized to 10"x8"x6". Max 14"x12"x6")	\$110.00
<input type="checkbox"/>	11C NEMA 1 alarm panel (must select option 6A)	\$80.00

CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/>	11D NEMA 4X alarm panel (must select option 6A)	\$250.00
<input type="checkbox"/>	15A Control / Alarm circuit breaker	\$85.00
<input type="checkbox"/>	16A 10' cord in lieu of 20' (per float)	\$2.00
<input type="checkbox"/>	16B 15' cord in lieu of 20' (per float)	\$1.00
<input type="checkbox"/>	16C 30' cord in lieu of 20' (per float)	\$5.00
<input type="checkbox"/>	16D 40' cord in lieu of 20' (per float)	\$15.00
<input type="checkbox"/>	17C Sensor Float® / internally weighted ▲ (per float)	\$5.00
<input type="checkbox"/>	17D Sensor Float® / externally weighted ▲ (per float)	\$7.00
<input type="checkbox"/>	17G MilliAmpMaster™ / pipe clamp ● (per float)	\$0.00
<input type="checkbox"/>	17H MilliAmpMaster™ / externally weighted ● (per float)	\$7.00
<input type="checkbox"/>	17J Sensor Float® / pipe clamp ▲ (per float)	\$0.00
<input type="checkbox"/>	18A Timer override float (timed dose float panel only)	\$25.00
<input type="checkbox"/>	24E C-Level™ CL40 sensor with 4' vent tube & 20' cord	\$280.00
<input type="checkbox"/>	24F C-Level™ CL40 sensor with 4' vent tube & 40' cord	\$310.00
<input type="checkbox"/>	24G C-Level™ CL40 sensor with 8' vent tube & 20' cord	\$285.00
<input type="checkbox"/>	24H C-Level™ CL40 sensor with 8' vent tube & 40' cord	\$315.00
<input type="checkbox"/>	24X No C-Level™ CL40 sensor	\$0.00
<input type="checkbox"/>	29A C-Level™ CL100 sensor w/10' vent tube & 20' cord	\$290.00
<input type="checkbox"/>	29B C-Level™ CL100 sensor w/10' vent tube & 40' cord	\$320.00
<input type="checkbox"/>	29X No C-Level™ CL100 sensor	\$0.00

● Mechanically-activated ▲ Mercury-activated

If additional features are required, call the factory for a quote on an Engineered Custom control panel.

SAMPLE

MODEL

Model Type

Alarm Package

Enclosure Rating

Starting Device

Pump Full Load Amps

Pump Disconnects

Switch Application

Options: Display, Lockable Latch,

SJE MilliAmpMaster™/pipe clamp

IFS 1 1 W 9 1 4 H 8AC 10E17G

IFS1 See Price List

1 Base

W Base

9 Base

1 Base

4 \$35.00

H Base

8AC \$0.00

10E \$40.00

17G \$0.00

TOTAL LIST PRICE \$XXX.XX

INSTALLER FRIENDLY SERIES® - IFS Single Phase Duplex (Demand/TD)

Single phase, duplex demand dose or timed dose, float or C-Level™ sensor controlled system for pump control and system monitoring.

The IFS duplex control panel is designed to control two (alternating) 120, 208, 240 VAC single phase pumps in water and sewage installations. The panel features an easy-to-use touch pad with display on the inner door for programming and system monitoring. The alternating action equalizes pump wear. In addition to the alternating pump control, this system provides override control should either pump fail.

The panel configuration can be easily converted in the field to either a timed dose or demand dose.

The optional C-Level™ sensor is a pressure transducer that senses the liquid level in the tank and sends a signal to the IFS panel. Pump activation levels can be adjusted by using the panel touch pad. C-Level™ CL40 sensor operating range is 3-39.9 inches (7.6-101.3 cm). C-Level™ CL100 operating range is 3-99.5 inches (7.6-252.7 cm).

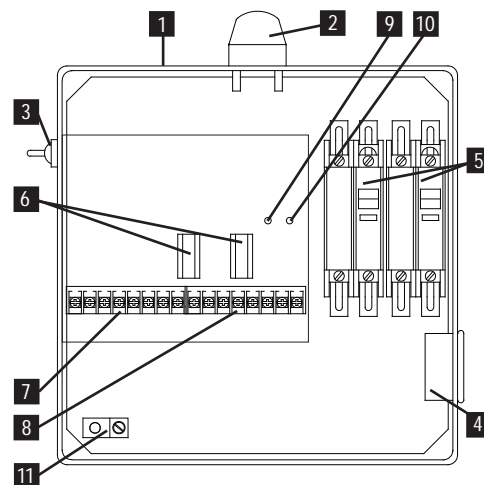
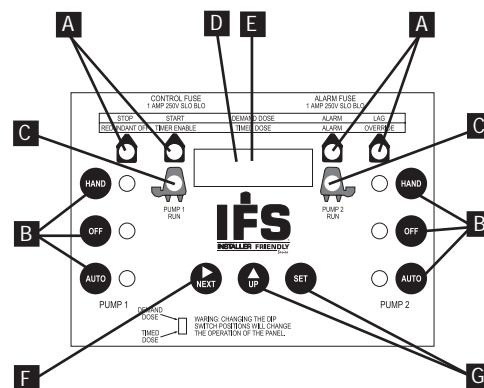
TOUCH PAD FEATURES

- A. **Level Status Indicators** illuminate when floats or set points are activated. Alarm will activate if a float operates out of sequence.
- B. **HOA (Hand-Off-Automatic) Buttons** control pump mode with indication. Hand mode defaults to Automatic when stop level or redundant off level is reached.
- C. **Pump Run Indicators** will illuminate when pumps are called to run.
- D. **Lead/Lag Selector** toggles pump operation (alternate 1-2 and 2-1).
- E. **LED Display** shows system information including: level in inches or centimeters (C-Level™ only), mode, pumps elapsed time (hh:mm), events (cycles), alarm counter, float error count, timed dose override counter (timed dose only), and ON/OFF times (timed dose only).
- F. **NEXT Push Button** toggles display.
- G. **UP and SET Push Buttons** set pump ON/OFF times (timed dose only) and activation levels (C-Level™ only).

PANEL COMPONENTS

1. **Enclosure** base measures 10 X 10 X 6 inches (25.4 X 25.4 X 15.24 cm). NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use). **Note:** Options, voltage, and amp range selected may change enclosure size and component layout.
2. **Red Alarm Beacon** provides 360° visual check of alarm condition.
3. **Exterior Alarm Test/Normal/Silence Switch** allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition is cleared.
4. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).
5. **Circuit Breakers** (optional) provide pump disconnect and branch circuit protection.
6. **Power Relays** control pump by switching electrical lines. Definite purpose contactors used when pump full load amps are above 15.
7. **Float Connection Terminal Block**
8. **Incoming Control/Alarm Power & Pump Terminal Block**
9. **Control Power Indicator/Fuse** indicator light illuminates if control power is present in panel. Alarm activates if control fuse is blown.
10. **Alarm Power Indicator/Fuse** indicator light illuminates if alarm power is present in panel.
11. **Ground Lug**

NOTE: Schematic/Wiring Diagram and Pump Specification Label are located inside the panel on enclosure cover



Model Shown IFS31W114X8AC

Reg. Cdn Pat. & TM Off

C-Level™ Sensor US Patent 8,336,385. Other patents pending.

FEATURES

- Entire control system is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Standard package includes:
Demand Dose - three 20' SJE MilliAmpMaster™ control switches
Timed Dose - two 20' SJE MilliAmpMaster™ control switches
- Complete with step-by-step installation instructions
- Three-year limited warranty



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SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

			Total Options		
			TOTAL LIST PRICE		
CODE	DESCRIPTION	LIST PRICE	CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/>	1J Duo alarm inputs	\$25.00	<input type="checkbox"/>	16A 10' cord in lieu of 20' (per float)	\$2.00
<input type="checkbox"/>	3A Alarm flasher	\$50.00	<input type="checkbox"/>	16B 15' cord in lieu of 20' (per float)	\$1.00
<input type="checkbox"/>	3B Manual alarm reset.....	\$90.00	<input type="checkbox"/>	16C 30' cord in lieu of 20' (per float)	\$5.00
<input type="checkbox"/>	3E High water alarm float (must select 17 option)	\$25.00	<input type="checkbox"/>	16D 40' cord in lieu of 20' (per float)	\$15.00
(Available only when Switch Applications = C)					
<input type="checkbox"/>	4A Redundant off (select option 4D if floats are required)		<input type="checkbox"/>	17C Sensor Float® / internally weighted ▲ (per float)	\$5.00
	Demand Dose	\$55.00	<input type="checkbox"/>	17D Sensor Float® / externally weighted ▲ (per float)	\$7.00
	Timed Dose	\$0.00	<input type="checkbox"/>	17G MilliAmpMaster™/ pipe clamp ● (per float)	\$0.00
<input type="checkbox"/>	4D Redundant off float		<input type="checkbox"/>	17H MilliAmpMaster™/ externally weighted ● (per float)	\$7.00
	(must select 4A option) (must select 17 option)	\$25.00	<input type="checkbox"/>	17J Sensor Float® / pipe clamp ▲ (per float)	\$0.00
<input type="checkbox"/>	6A Auxiliary alarm contacts, form C.....	\$40.00	<input type="checkbox"/>	18A Timer override float	
<input checked="" type="checkbox"/>	8AC Display board includes: ETM counter, events (cycles)			(timed dose float panel only)	\$25.00
	counter, alarm counter, and override counter (timed dose		<input type="checkbox"/>	19F Fourth float to separate alarm function from lag	
	only). (Included as standard.)	\$0.00		(demand dose float panel only)	\$25.00
<input type="checkbox"/>	10E Lockable latch - NEMA 4X	\$40.00	<input type="checkbox"/>	24E C-Level™ CL40 sensor with 4' vent tube & 20' cord..	\$280.00
<input type="checkbox"/>	10F Lightning arrestor (must select pump circuit breakers,		<input type="checkbox"/>	24F C-Level™ CL40 sensor with 4' vent tube & 40' cord..	\$310.00
	control and alarm power combined)	\$230.00	<input type="checkbox"/>	24G C-Level™ CL40 sensor with 8' vent tube & 20' cord..	\$285.00
<input type="checkbox"/>	10K Anti-condensation heater	\$100.00	<input type="checkbox"/>	24H C-Level™ CL40 sensor with 8' vent tube & 40' cord..	\$315.00
<input type="checkbox"/>	11C NEMA 1 alarm panel (must select option 6A)	\$80.00	<input type="checkbox"/>	24X No C-Level™ CL40 sensor.....	\$0.00
<input type="checkbox"/>	11D NEMA 4X alarm panel (must select option 6A)	\$250.00	<input type="checkbox"/>	29A C-Level™ CL100 sensor w/10' vent tube & 20' cord..	\$290.00
<input type="checkbox"/>	15A Control / Alarm circuit breaker.....	\$85.00	<input type="checkbox"/>	29B C-Level™ CL100 sensor w/10' vent tube & 40' cord..	\$320.00
			<input type="checkbox"/>	29X No C-Level™ CL100 sensor.....	\$0.00

● Mechanically-activated

▲ Mercury-activated

If additional features are required, call the factory for a quote on an Engineered Custom control panel.

SAMPLE

MODEL IFS 3 1 W 9 1 4 H 8AC 10E 17G

Model Type _____

Alarm Package _____

Enclosure Rating _____

Starting Device _____

Pump Full Load Amps _____

Pump Disconnects _____

Switch Application _____

Options: Display, Lockable Latch, _____

SJE MilliAmpMaster™/pipe clamp _____

IFS3 See Price List

1 Base

W Base

9 Base

1 Base

4 \$70.00

H Base

8AC \$0.00

10E \$40.00

17G \$0.00

TOTAL LIST PRICE \$XXXX.XX

INSTALLER FRIENDLY SERIES® - IFS Three Phase Simplex

Three phase, simplex demand dose or timed dose, float or C-Level™ controlled system for pump control and system monitoring.

The IFS simplex control panel is designed to control one 208, 240 or 480 VAC three phase pump in water and sewage installations. The panel features an easy-to-use touch pad with display on the inner door for programming and system monitoring. The panel configuration can be easily converted in the field to either a timed dose or demand dose.

The optional C-Level™ sensor is a pressure transducer that senses the liquid level in the tank and sends a signal to the IFS panel. Pump activation levels can be adjusted by using the panel touch pad. C-Level™ CL40 sensor operating range is 3-39.9 inches (7.6-101.3 cm). C-Level™ CL100 operating range is 3-99.5 inches (7.6-252.7 cm).

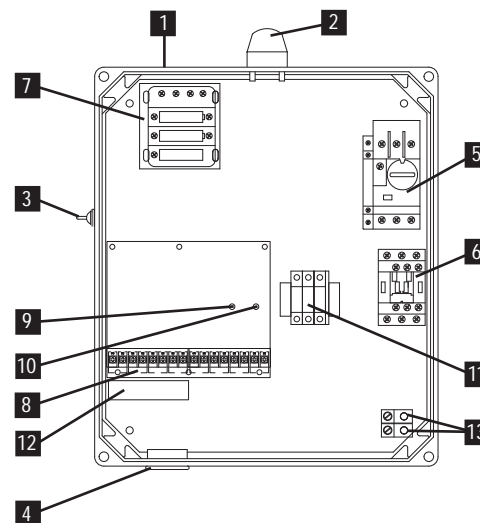
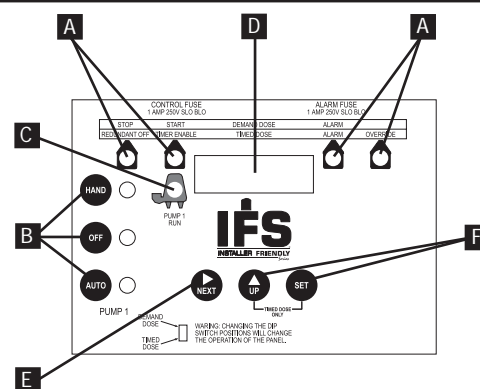
TOUCH PAD FEATURES

- A. Level Status Indicators** illuminate when floats or set points are activated. Alarm will activate if a float operates out of sequence.
- B. HOA (Hand-Off-Automatic) Buttons** control pump mode with indication. Hand mode defaults to Automatic when stop level or redundant off level is reached.
- C. Pump Run Indicator** illuminates when pump is called to run.
- D. LED Display** shows system information including: level in inches or centimeters (C-Level™ only), mode, pump elapsed time (hh:mm), events (cycles), alarm counter, float error count, timed dose override counter (timed dose only), and ON/OFF times (timed dose only).
- E. NEXT Push Button** toggles display.
- F. UP and SET Push Buttons** set pump ON/OFF times (timed dose only) or activation levels (C-Level™ only).

PANEL COMPONENTS

- 1. Enclosure base** measures 14 x 12 x 6 inches (35.56 x 30.48 x 15.24 cm). NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use). **Note:** Options, voltage, and amp range selected may change enclosure size and component layout.
- 2. Red Alarm Beacon** provides 360° visual check of alarm condition.
- 3. Exterior Alarm Test/Normal/Silence Switch** allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition is cleared.
- 4. Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).
- 5. Motor Protective Switch** provides adjustable overload, branch circuit protection and pump disconnect.
- 6. IEC Motor Contactor** controls pump by switching electrical lines.
- 7. Multi-Tap Transformer** (208/240/480 VAC primary) provides 120V control alarm voltage or 600VAC primary transformer.
- 8. Float Connection Terminal Block**
- 9. Control Power Indicator/Fuse** indicator light illuminates if control power is present in panel. Alarm will activate if control fuse is blown.
- 10. Alarm Power Indicator/Fuse** indicator light illuminates if alarm power is present in panel.
- 11. Large Incoming Power Connection Terminal Block**
- 12. Terminal Block Float Wiring Label**
- 13. Ground Lugs**

NOTE: Schematic/Wiring Diagram and Pump Specification Label are located inside the panel on enclosure cover



Model Shown IFS51W001X8AC

Reg. Cdn Pat. & TM Off

C-Level™ Sensor US Patent 8,336,385. Other patents pending.

FEATURES

- Entire control system is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Standard package includes three 20' SJE MilliAmpMaster™ control switches
- Complete with step-by-step installation instructions
- Three-year limited warranty



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www.sjerhombus.com

SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

IFS5

1

W

8AC

MODEL IFS5

\$1491.00

☒ **ALARM PACKAGE**
 1 = alarm package (includes test/normal/silence switch, fuse, red light, horn, & float) Base

☒ **ENCLOSURE RATING**
 W = Weatherproof, NEMA 4X (engineered thermoplastic) Base

PUMP FULL LOAD AMPS**208/240/480V**

☐ 001 = 1.0-1.6 FLA
☐ 101 = 1.6-2.5 FLA
☐ 201 = 2.5-4.0 FLA
☐ 301 = 4.0-6.3 FLA
☐ 401 = 6.0-10.0 FLA
☐ 511 = 9.0-14.0 FLA
☐ 611 = 13.0-18.0 FLA
☐ 621 = 17.0-23.0 FLA
☐ 701 = 20.0-25.0 FLA

600V

☐ 005 = 1.0-1.6 FLA Base
☐ 105 = 1.6-2.5 FLA Base
☐ 205 = 2.5-4.0 FLA Base
☐ 305 = 4.0-6.3 FLA Base
☐ 405 = 6.0-10.0 FLA Base
☐ 515 = 9.0-14.0 FLA \$45.00
☐ 615 = 13.0-18.0 FLA \$45.00
☐ 625 = 17.0-23.0 FLA \$55.00
☐ 705 = 20.0-25.0 FLA \$55.00

☐ **FLOAT SWITCH APPLICATION**
 H = pump down (select 17 option) Base
 X = no floats -\$75.00
 C = C-Level™ sensor (must select 24 or 29 option) -\$75.00
 (select option 3E and/or 4A & 4D for high water alarm and/or redundant off floats)

Note: Pump down applications only.

Industry practices suggest that a secondary device, such as a float switch, be used for redundant activation of the high level alarm and pump shut off.

OPTIONS Listed below

Total Options

TOTAL LIST PRICE

CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/> 3A	Alarm flasher	\$50.00
<input type="checkbox"/> 3B	Manual alarm reset	\$90.00
<input type="checkbox"/> 5A	Thermal cutout/heat sensor auto reset (for pumps w/thermal switch leads)	\$40.00
<input type="checkbox"/> 5E	Seal failure circuit & red indicator (2 wire)	\$160.00
<input type="checkbox"/> 6A	Auxiliary alarm contacts, form C	\$40.00
<input checked="" type="checkbox"/> 8AC	Display board includes: ETM counter, events (cycles) counter, alarm counter	\$100.00
<input type="checkbox"/> 10E	Lockable latch - NEMA 4X	\$40.00
<input type="checkbox"/> 10G	Lightning arrestor	\$200.00
<input type="checkbox"/> 10K	Anti-condensation heater	\$100.00
<input type="checkbox"/> 11C	NEMA 1 remote alarm panel (must select option 6A)	\$80.00
<input type="checkbox"/> 11D	NEMA 4X remote alarm panel (must select option 6A)	\$250.00

CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/> 16A	10' cord in lieu of 20' (per float)	-\$2.00
<input type="checkbox"/> 16B	15' cord in lieu of 20' (per float)	-\$1.00
<input type="checkbox"/> 16C	30' cord in lieu of 20' (per float)	\$5.00
<input type="checkbox"/> 16D	40' cord in lieu of 20' (per float)	\$15.00
<input type="checkbox"/> 17C	Sensor Float® / internally weighted ▲ (per float)	\$5.00
<input type="checkbox"/> 17D	Sensor Float® / externally weighted ▲ (per float)	\$7.00
<input type="checkbox"/> 17G	SJE MilliAmpMaster™ / pipe clamp ● (per float)	\$0.00
<input type="checkbox"/> 17H	SJE MilliAmpMaster™ / externally weighted ● (per float)	\$7.00
<input type="checkbox"/> 17J	Sensor Float® / pipe clamp ▲ (per float)	\$0.00
<input type="checkbox"/> 24E	C-Level™ CL40 sensor with 4' vent tube & 20' cord	\$280.00
<input type="checkbox"/> 24F	C-Level™ CL40 sensor with 4' vent tube & 40' cord	\$310.00
<input type="checkbox"/> 24G	C-Level™ CL40 sensor with 8' vent tube & 20' cord	\$285.00
<input type="checkbox"/> 24H	C-Level™ CL40 sensor with 8' vent tube & 40' cord	\$315.00
<input type="checkbox"/> 24X	No C-Level™ CL40 sensor	\$0.00
<input type="checkbox"/> 29A	C-Level™ CL100 sensor w/10' vent tube & 20' cord	\$290.00
<input type="checkbox"/> 29B	C-Level™ CL100 sensor w/10' vent tube & 40' cord	\$320.00
<input type="checkbox"/> 29X	No C-Level™ CL100 sensor	\$0.00

● Mechanically-activated ▲ Mercury-activated

If additional features are required, call the factory for a quote on an Engineered Custom control panel.

SAMPLE**MODEL**

Model Type

Alarm Package

Enclosure Rating

Pump Full Load Amps

Switch Application

Options: Display, Lockable Latch,
SJE MilliAmpMaster™/pipe clamp

IFS

5

1

W

001

H

8AC 10E 17G

IFS5 See Price List
 1 Base
 W Base
 001 Base
 H Base
 8AC \$100.00
 10E \$40.00
 17G \$0.00

TOTAL LIST PRICE \$XXXX.XX

INSTALLER FRIENDLY SERIES® - IFS Three Phase Duplex

Three phase, duplex demand dose or timed dose, float or C-Level™ sensor controlled system for pump control and system monitoring.

The IFS duplex control panel is designed to control two (alternating) 208, 240 or 480 VAC three phase pumps in water and sewage installations. The alternating action equalizes pump wear. In addition to the alternating pump control, this system provides override control should either pump fail.

The panel features an easy-to-use touch pad with display on the inner door for programming and system monitoring. The panel configuration can be easily converted in the field to either a timed dose or demand dose.

The optional C-Level™ sensor is a pressure transducer that senses the liquid level in the tank and sends a signal to the IFS panel. Pump activation levels can be adjusted by using the panel touch pad. C-Level™ CL40 sensor operating range is 3-39.9 inches (7.6-101.3 cm). C-Level™ CL100 operating range is 3-99.5 inches (7.6-252.7 cm).

TOUCH PAD FEATURES

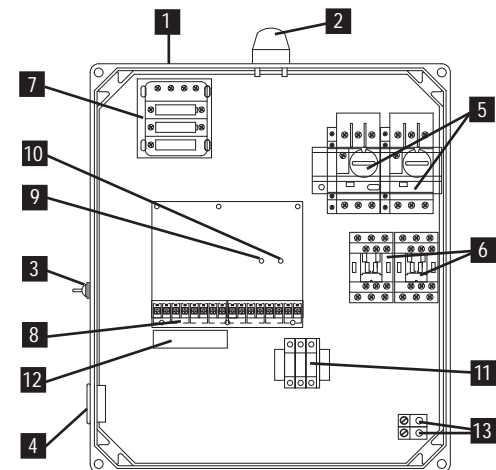
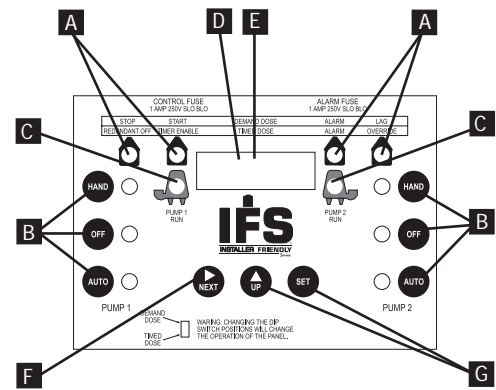
- A. **Level Status Indicators** illuminate when floats or set points are activated. Alarm will activate if a float operates out of sequence.
- B. **HOA (Hand-Off-Automatic) Buttons** control pump mode with indication. Hand mode defaults to Automatic when stop level or redundant off level is reached.
- C. **Pump Run Indicators** will illuminate when pumps are called to run.
- D. **Lead/Lag Selector** toggles pump operation (alternate 1-2 and 2-1).
- E. **LED Display** shows system information including: level in inches or centimeters (C-Level™ only), mode, pumps elapsed time (hh:mm), events (cycles), alarm counter, float error count, timed dose override counter (timed dose only), and ON/OFF times (timed dose only).
- F. **NEXT Push Button** toggles display.
- G. **UP and SET Push Buttons** set pump ON/OFF times (timed dose only) and activation levels (C-Level™ only).

PANEL COMPONENTS

1. **Enclosure** base measures 16 X 14 X 6 inches (40.64 X 35.56 X 15.24 cm). NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use). **Note:** Options, voltage, and amp range selected may change enclosure size and component layout.
2. **Red Alarm Beacon** provides 360° visual check of alarm condition.
3. **Exterior Alarm Test/Normal/Silence Switch** allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition is cleared.
4. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).
5. **Motor Protective Switches** provide adjustable overload, branch circuit protection and pump disconnect.
6. **IEC Motor Contactors** control pumps by switching electrical lines.
7. **Multi-Tap Transformer** (208/240/480 VAC primary) provides 120V control alarm voltage or 600VAC primary transformer.
8. **Float Connection Terminal Block**
9. **Control Power Indicator/Fuse** indicator light illuminates if control power is present in panel. Alarm activates if control fuse is blown.
10. **Alarm Power Indicator/Fuse** indicator light illuminates if alarm power is present in panel.
11. **Large Incoming Power Connection Terminal Block**
12. **Terminal Block Float Wiring Label**
13. **Ground Lugs**

NOTE: Schematic/Wiring Diagram and Pump Specification Label are located inside the panel on enclosure cover

SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.



Model Shown IFS61W001X8AC

Reg. Cdn Pat. & TM Off

C-Level™ Sensor US Patent 8,336,385. Other patents pending.

FEATURES

- Entire control system is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Standard package includes three 20' SJE MilliAmpMaster™ control switches
- Complete with step-by-step installation instructions
- Three-year limited warranty



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IFS6	1	W			8AC	
MODEL IFS6						\$1969.00
ALARM PACKAGE						
<input checked="" type="checkbox"/>	1 = alarm package (includes test/normal/silence switch, fuse, red light, horn, & float)					Base
ENCLOSURE RATING						
<input checked="" type="checkbox"/>	W = Weatherproof, NEMA 4X (engineered thermoplastic)					Base
PUMP FULL LOAD AMPS						
208/240/480V			600V			
<input type="checkbox"/>	001 = 1.0-1.6 FLA	<input type="checkbox"/>	005 = 1.0-1.6 FLA			Base
<input type="checkbox"/>	101 = 1.6-2.5 FLA	<input type="checkbox"/>	105 = 1.6-2.5 FLA			Base
<input type="checkbox"/>	201 = 2.5-4.0 FLA	<input type="checkbox"/>	205 = 2.5-4.0 FLA			Base
<input type="checkbox"/>	301 = 4.0-6.3 FLA	<input type="checkbox"/>	305 = 4.0-6.3 FLA			Base
<input type="checkbox"/>	401 = 6.0-10.0 FLA	<input type="checkbox"/>	405 = 6.0-10.0 FLA			Base
<input type="checkbox"/>	511 = 9.0-14.0 FLA	<input type="checkbox"/>	515 = 9.0-14.0 FLA			\$60.00
<input type="checkbox"/>	611 = 13.0-18.0 FLA	<input type="checkbox"/>	615 = 13.0-18.0 FLA			\$60.00
<input type="checkbox"/>	621 = 17.0-23.0 FLA	<input type="checkbox"/>	625 = 17.0-23.0 FLA			\$80.00
<input type="checkbox"/>	701 = 20.0-25.0 FLA	<input type="checkbox"/>	705 = 20.0-25.0 FLA			\$80.00
FLOAT SWITCH APPLICATION						
<input type="checkbox"/>	H = pump down (select 17 option)					Base
<input type="checkbox"/>	X = no floats					-\$75.00
<input type="checkbox"/>	C = C-Level™ sensor (must select 24 or 29 option) (select option 3E and/or 4A & 4D for high water alarm and/or redundant off floats)					-\$75.00
Note: Pump down applications only. Industry practices suggest that a secondary device, such as a float switch, be used for redundant activation of the high level alarm and pump shut off.						
OPTIONS Listed below						



ENCLOSURE UPSIZE - If you selected one or more of the ★ options, add a one-time \$50.00 list enclosure upsize

Total Options _____
Enclosure Upsize _____
TOTAL LIST PRICE _____

CODE	DESCRIPTION	LIST PRICE	CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/>	3A Alarm flasher	\$50.00	<input type="checkbox"/>	16A 10' cord in lieu of 20' (per float)	-\$2.00
<input type="checkbox"/>	3B Manual alarm reset	\$90.00	<input type="checkbox"/>	16B 15' cord in lieu of 20' (per float)	-\$1.00
<input type="checkbox"/>	3E High water alarm float (must select 17 option)	\$25.00	<input type="checkbox"/>	16C 30' cord in lieu of 20' (per float)	\$5.00
	(Available only when Switch Applications = C)				
<input type="checkbox"/>	4A Redundant off (select option 4D if floats are required)		<input type="checkbox"/>	16D 40' cord in lieu of 20' (per float)	\$15.00
	Demand Dose	\$55.00	<input type="checkbox"/>	17C Sensor Float® / internally weighted ▲ (per float)	\$5.00
	Timed Dose	\$0.00	<input type="checkbox"/>	17D Sensor Float® / externally weighted ▲ (per float)	\$7.00
<input type="checkbox"/>	4D Redundant off float		<input type="checkbox"/>	17G SJE MilliAmpMaster™ / pipe clamp ● (per float)	\$0.00
	(must select 4A option) (must select 17 option)	\$25.00	<input type="checkbox"/>	17H SJE MilliAmpMaster™ / externally weighted ● (per float)	\$7.00
<input type="checkbox"/>	★ 5A Thermal cutout/heat sensor auto reset	\$80.00	<input type="checkbox"/>	17J Sensor Float® / pipe clamp ▲ (per float)	\$0.00
	(for pumps w/thermal switch leads)		<input type="checkbox"/>	19F Fourth float to separate alarm function from lag	\$25.00
<input type="checkbox"/>	★ 5E Seal failure circuit & red indicator (2 wire)	\$315.00	<input type="checkbox"/>	24E C-Level™ CL40 sensor with 4' vent tube & 20' cord	\$280.00
<input type="checkbox"/>	6A Auxiliary alarm contacts, form C	\$40.00	<input type="checkbox"/>	24F C-Level™ CL40 sensor with 4' vent tube & 40' cord	\$310.00
<input checked="" type="checkbox"/>	8AC Display board includes: ETM counter, events (cycles) counter, alarm counter and lead/lag selector switch	\$100.00	<input type="checkbox"/>	24G C-Level™ CL40 sensor with 8' vent tube & 20' cord	\$285.00
<input type="checkbox"/>	10E Lockable latch - NEMA 4X	\$40.00	<input type="checkbox"/>	24H C-Level™ CL40 sensor with 8' vent tube & 40' cord	\$315.00
<input type="checkbox"/>	10G Lightning arrestor	\$200.00	<input type="checkbox"/>	24X No C-Level™ CL40 sensor	\$0.00
<input type="checkbox"/>	10K Anti-condensation heater	\$100.00	<input type="checkbox"/>	29A C-Level™ CL100 sensor w/10' vent tube & 20' cord	\$290.00
<input type="checkbox"/>	11C NEMA 1 remote alarm panel (must select option 6A)	\$80.00	<input type="checkbox"/>	29B C-Level™ CL100 sensor w/10' vent tube & 40' cord	\$320.00
<input type="checkbox"/>	11D NEMA 4X remote alarm panel (must select option 6A)	\$250.00	<input type="checkbox"/>	29X No C-Level™ CL100 sensor	\$0.00

● Mechanically-activated ▲ Mercury-activated

If additional features are required, call the factory for a quote on an Engineered Custom control panel.

SAMPLE

MODEL IFS 6 1 W 001 H 8AC 10E 17G

Model Type _____
Alarm Package _____
Enclosure Rating _____
Pump Full Load Amps _____
Switch Application _____
Options: Display, Lockable Latch,
SJE MilliAmpMaster™/pipe clamp

IFS6 See List Price
1 Base
W Base
001 Base
H Base
8AC \$100.00
10E \$40.00
17G \$0.00

TOTAL LIST PRICE \$XXXX.XX

INSTALLER FRIENDLY SERIES® - IFS Single Phase Simplex Capacitor (Start/Run)

Single phase, simplex demand dose or timed dose, float or C-Level™ controlled system for pump control and system monitoring.

The IFS single phase simplex capacitor (start/run) control panel is designed to control one 120, 208, or 240 VAC single phase pump in water and sewage installations. The IFS single phase simplex capacitor (start/run) control panel features a simple, easy-to-use touch pad on the inner door for programming and monitoring pump and float operation.

The optional C-Level™ sensor is a pressure transducer that senses the liquid level in the tank and sends a signal to the IFS panel. Pump activation levels can be adjusted by using the panel touch pad. C-Level™ CL40 sensor operating range is 3-39.9 inches (7.6-101.3 cm). C-Level™ CL100 operating range is 3-99.5 inches (7.6-252.7 cm).

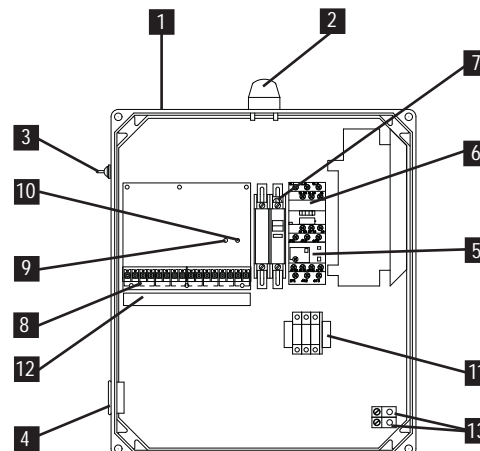
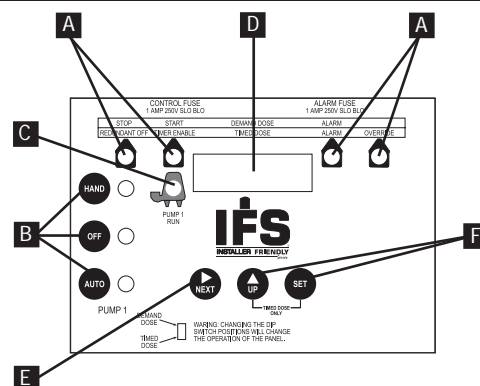
TOUCH PAD FEATURES

- A. **Level Status Indicators** illuminate when floats or set points are activated. Alarm will activate if a float operates out of sequence.
- B. **HOA (Hand-Off-Automatic) Buttons** control pump mode with indication. Hand mode defaults to Automatic when stop level or redundant off level is reached.
- C. **Pump Run Indicator** illuminates when pump is called to run.
- D. **LED Display** shows system information including: level in inches or centimeters (C-Level™ only), mode, pump elapsed time (hh:mm), events (cycles), alarm counter, float error count, timed dose override counter (timed dose only), and ON/OFF times (timed dose only).
- E. **NEXT Push Button** toggles display.
- F. **UP and SET Push Buttons** set pump ON/OFF times (timed dose only) or activation levels (C-Level™ only).

PANEL COMPONENTS

1. **Enclosure** base measures 16 x 14 x 6 inches (40.64 x 35.56 x 15.24 cm). NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use). **Note:** Options, voltage, and amp range selected may change enclosure size and component layout.
2. **Red Alarm Beacon** provides 360° visual check of alarm condition.
3. **Exterior Alarm Test/Normal/Silence Switch** allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition is cleared.
4. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).
5. **Overload Relay** (optional) provides pump overload protection.
6. **IEC Motor Contactor** controls pump by switching electrical lines.
7. **Circuit Breaker** (optional) provides pump disconnect and branch circuit protection.
8. **Float and Control/Alarm Incoming Terminal Block**
9. **Control Power Indicator/Fuse** indicator light illuminates if control power is present in panel. Alarm will activate if control fuse is blown.
10. **Alarm Power Indicator/Fuse** indicator light illuminates if alarm power is present in panel.
11. **Large Pump Connection Power Terminal Block**
12. **Terminal Block Float and Control/Alarm Incoming Power Wiring Label**
13. **Ground Lugs**

NOTE: Schematic/Wiring Diagram and Pump Specification Label are located inside the panel on enclosure cover.



Model Shown IFS71W114X912A8AC

Reg. Cdn Pat. & TM Off

C-Level™ Sensor US Patent 8,336,385. Other patents pending.

FEATURES

- Entire control system is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Standard package includes three 20' SJE MilliAmpMaster™ control switches
- Complete with step-by-step installation instructions
- Three-year limited warranty



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SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

IFS7		W	1					
MODEL IFS7								\$1193.00
ALARM PACKAGE								
<input type="checkbox"/>	1 = alarm package (includes test/normal/silence switch, fuse, red light, horn, & float)							Base
ENCLOSURE RATING								
<input checked="" type="checkbox"/>	W = Weatherproof, NEMA 4X (engineered thermoplastic)							Base
STARTING DEVICE								
<input checked="" type="checkbox"/>	1 = IEC motor contactor 120/208/240V							Base
PUMP FULL LOAD AMPS								
<input type="checkbox"/>	0 = 0-7 FLA							Base
<input type="checkbox"/>	1 = 7-15 FLA							Base
<input type="checkbox"/>	2 = 15-20 FLA							\$80.00
<input type="checkbox"/>	3 = 20-30 FLA							\$90.00
<input type="checkbox"/>	4 = 30-40 FLA							\$115.00
PUMP DISCONNECTS								
<input type="checkbox"/>	0 = no pump disconnect							Base
<input type="checkbox"/>	4 = circuit breaker							\$ 70.00
FLOAT SWITCH APPLICATION								
<input type="checkbox"/>	H or L = pump down or pump up (select 17 option)							Base
<input type="checkbox"/>	X = no floats							
	WITH alarm package							- \$75.00
<input type="checkbox"/>	C = C-Level™ sensor (must select 24 or 29 option) (select option 3E and/or 4A & 4D for high water alarm and/or redundant off floats)							- \$75.00
Note: Pump down applications only. Industry practices suggest that a secondary device, such as a float switch, be used for redundant activation of the high level alarm and pump shut off.								
OPTIONS Listed below								

Start/run capacitor kits must be ordered separately (see option 12 below or call factory)

Total Options _____

CODE	DESCRIPTION	LIST PRICE	CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/>	3A Alarm flasher	\$50.00	<input type="checkbox"/>	11D NEMA 4X remote alarm panel (must select option 6A)	\$250.00
<input type="checkbox"/>	3B Manual alarm reset	\$90.00	<input type="checkbox"/>	12B Customer supplied motor start components, mounted in enclosure by SJE-Rhombus	\$110.00
<input type="checkbox"/>	3E High water alarm float (must select 17 option) (Available only when Switch Applications = C)	\$25.00	<input type="checkbox"/>	12C Motor start component, mounted and supplied by SJE-Rhombus	Call Factory
<input type="checkbox"/>	4A Redundant off (select option 4D if floats are required) Demand Dose	\$55.00	<input type="checkbox"/>	16A 10' cord in lieu of 20' (per float)	-\$2.00
<input type="checkbox"/>	4D Redundant off float (must select 4A option) (must select 17 option)	\$25.00	<input type="checkbox"/>	16B 15' cord in lieu of 20' (per float)	-\$1.00
<input type="checkbox"/>	5A Thermal cutout/heat sensor auto reset (for pumps w/thermal switch leads)	\$40.00	<input type="checkbox"/>	16C 30' cord in lieu of 20' (per float)	\$5.00
<input type="checkbox"/>	5E Seal failure circuit & red indicator (2 wire)	\$160.00	<input type="checkbox"/>	16D 40' cord in lieu of 20' (per float)	\$15.00
<input type="checkbox"/>	6A Auxiliary alarm contacts, form C	\$40.00	<input type="checkbox"/>	17C Sensor Float® / internally weighted ▲ (per float)	\$5.00
<input checked="" type="checkbox"/>	8AC Display board includes: ETM counter, events (cycles) counter, alarm counter	\$100.00	<input type="checkbox"/>	17D Sensor Float® / externally weighted ▲ (per float)	\$7.00
<input type="checkbox"/>	9_A Pump overload specify amperage after number 9 followed by letter "A". Example: 912A = 12 amp pump.		<input type="checkbox"/>	17G SJE MilliAmpMaster™ / pipe clamp ● (per float)	\$0.00
<input type="checkbox"/>	0-30 FLA	\$60.00	<input type="checkbox"/>	17H SJE MilliAmpMaster™ / externally weighted ● (per float)	\$7.00
<input type="checkbox"/>	30-100 FLA	\$100.00	<input type="checkbox"/>	17J Sensor Float® / pipe clamp ▲ (per float)	\$0.00
<input type="checkbox"/>	10E Lockable latch - NEMA 4X	\$40.00	<input type="checkbox"/>	24E C-Level™ CL40 sensor with 4' vent tube & 20' cord	\$280.00
<input type="checkbox"/>	10G Lightning arrestor	\$200.00	<input type="checkbox"/>	24F C-Level™ CL40 sensor with 4' vent tube & 40' cord	\$310.00
<input type="checkbox"/>	10K Anti-condensation heater	\$100.00	<input type="checkbox"/>	24G C-Level™ CL40 sensor with 8' vent tube & 20' cord	\$285.00
<input type="checkbox"/>	11C NEMA 1 remote alarm panel (must select option 6A)	\$80.00	<input type="checkbox"/>	24H C-Level™ CL40 sensor with 8' vent tube & 40' cord	\$315.00
			<input type="checkbox"/>	24X No C-Level™ CL40 sensor	\$0.00
			<input type="checkbox"/>	29A C-Level™ CL100 sensor w/10' vent tube & 20' cord	\$290.00
			<input type="checkbox"/>	29B C-Level™ CL100 sensor w/10' vent tube & 40' cord	\$320.00
			<input type="checkbox"/>	29X No C-Level™ CL100 sensor	\$0.00

● Mechanically-activated ▲ Mercury-activated

If additional features are required, call the factory for a quote on an Engineered Custom control panel.

SAMPLE

MODEL	IFS7	1	W	1	1	4	H	912A 12B 17G	
Alarm Package									IFS7 See List Price
Enclosure Rating									1 Base
Starting Device									W Base
Pump Full Load Amps									1 Base
Pump Disconnect									1 Base
Float Switch Application									4 \$70.00
Options: Pump Overload, Motor Start									H Base
Components Supplied by Customer,									912A \$60.00
SJE MilliAmpMaster™/pipe clamp									12B \$110.00
									17G \$0.00
									TOTAL LIST PRICE \$XXXX.XX

INSTALLER FRIENDLY SERIES® - IFS Single Phase Duplex Capacitor (Start/Run)

Single phase, duplex demand dose, float or C-Level™ controlled system for pump control and system monitoring.

The IFS single phase duplex capacitor (start/run) control panel is designed to alternately control two 120, 208, or 240 VAC single phase pumps in water and sewage installations. The alternating action equalizes pump wear. In addition to the alternating pump control, this system provides override control should either pump fail.

The IFS single phase duplex capacitor (start/run) control panel features a simple, easy-to-use touch pad on the inner door for programming and monitoring pump and float operation.

The optional C-Level™ sensor is a pressure transducer that senses the liquid level in the tank and sends a signal to the IFS panel. Pump activation levels can be adjusted by using the panel touch pad. C-Level™ CL40 sensor operating range is 3-39.9 inches (7.6-101.3 cm). C-Level™ CL100 operating range is 3-99.5 inches (7.6-252.7 cm).

TOUCH PAD FEATURES

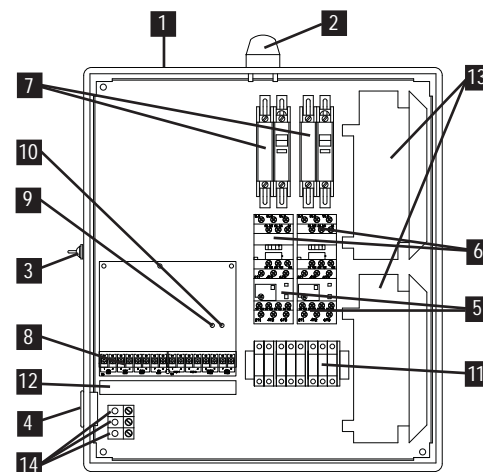
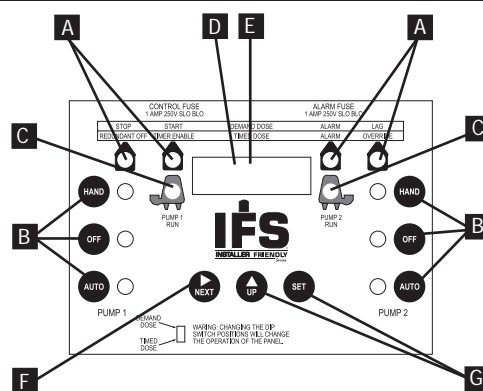
- A. Level Status Indicators** illuminate when floats or set points are activated. Alarm will activate if a float operates out of sequence.
- B. HOA (Hand-Off-Automatic) Buttons** control pump mode with indication. Hand mode defaults to Automatic when stop level or redundant off level is reached.
- C. Pump Run Indicators** will illuminate when pumps are called to run.
- D. Lead/Lag Selector** toggles pump operation (alternate 1-2 and 2-1).
- E. LED Display** shows system information including: level in inches or centimeters (C-Level™ only), mode, pumps elapsed time (hh:mm), events (cycles), alarm counter, float error count, timed dose override counter (timed dose only), and ON/OFF times (timed dose only).
- F. NEXT Push Button** toggles display.
- G. UP and SET Push Buttons** set pump ON/OFF times (timed dose only) and activation levels (C-Level™ only).

PANEL COMPONENTS

1. **Enclosure base** measures 18 X 16 X 8 inches (45.72 X 40.64 X 20.32 cm). NEMA 4X fiberglass. **Note:** Options, voltage, and amp range selected may change enclosure size and component layout.
2. **Red Alarm Beacon** provides 360° visual check of alarm condition.
3. **Exterior Alarm Test/Normal/Silence Switch** allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition is cleared.
4. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).
5. **Overload Relays** (optional) provide pump overload protection.
6. **IEC Motor Contactors** control pumps by switching electrical lines.
7. **Circuit Breakers** (optional) provide pump disconnect and branch circuit protection.
8. **Float and Control/Alarm Incoming Power Terminal Block**
9. **Control Power Indicator/Fuse** indicator light illuminates if control power is present in panel. Alarm activates if control fuse is blown.
10. **Alarm Power Indicator/Fuse** indicator light illuminates if alarm power is present in panel.
11. **Large Pump/Incoming Power Terminal Block**
12. **Terminal Block Float and Control/Alarm Incoming Power Wiring Label**
13. **Cap Kits**
14. **Ground Lugs**

NOTE: Schematic/Wiring Diagram and Pump Specification Label are located inside the panel on enclosure cover.

SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.



Model Shown IFS81W114X912A8AC

Reg. Cdn Pat. & TM Off

C-Level™ Sensor US Patent 8,336,385. Other patents pending.

FEATURES

- Entire control system is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Standard package includes three 20' SJE MilliAmpMaster™ control switches
- Complete with step-by-step installation instructions
- Three-year limited warranty



SJE Rhombus

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www.sjerhombus.com

IFS8

W

1

MODEL IFS8

\$1670.00

ALARM PACKAGE
☐ 1 = alarm package (includes test/normal/silence switch, fuse, red light, horn) Base
ENCLOSURE RATING
☒ W = Weatherproof, NEMA 4X (engineered thermoplastic) Base
STARTING DEVICE
☒ 1 = IEC motor contactor 120/208/240V Base
PUMP FULL LOAD AMPS
☐ 0 = 0-7 FLA Base

☐ 1 = 7-15 FLA Base

☐ 2 = 15-20 FLA \$105.00

☐ 3 = 20-30 FLA \$125.00

☐ 4 = 30-40 FLA \$150.00
PUMP DISCONNECTS
☐ 0 = no pump disconnect Base

☐ 4 = circuit breaker \$140.00
FLOAT SWITCH APPLICATION
☐ H or L = pump down or pump up (select 17 option) Base

☐ X = no floats -\$75.00

☐ C = C-Level™ sensor (must select 24 or 29 option) -\$75.00

(select option 3E and/or 4A & 4D for high water alarm and/or redundant off floats)

Note: Pump down applications only.**Industry practices suggest that a secondary device, such as a float switch, be used for redundant activation of the high level alarm and pump shut off.****OPTIONS** Listed below

Start/run capacitor kits must be ordered separately (see option 12 below or call factory).

Total Options



ENCLOSURE UPSIZE - If one or more of the ★ options are selected, add a one-time \$130.00 list enclosure upsize

Enclosure Upsize

TOTAL LIST PRICE

CODE	DESCRIPTION	LIST PRICE	CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/> 3A	Alarm flasher	\$50.00	<input type="checkbox"/> 12B	Customer supplied motor start components, mounted in enclosure by SJE-Rhombus	\$110.00
<input type="checkbox"/> 3B	Manual alarm reset	\$90.00	<input type="checkbox"/> 12C	Motor start component, mounted and supplied by SJE-Rhombus	Call Factory
<input type="checkbox"/> ★ 5A	Thermal cutout/heat sensor auto reset (for pumps w/thermal switch leads)	\$80.00	<input type="checkbox"/> 16A	10' cord in lieu of 20' (per float)	-\$2.00
<input type="checkbox"/> ★ 5E	Seal failure circuit & red indicator (2 wire)	\$315.00	<input type="checkbox"/> 16B	15' cord in lieu of 20' (per float)	-\$1.00
<input type="checkbox"/> 6A	Auxiliary alarm contacts, form C	\$40.00	<input type="checkbox"/> 16C	30' cord in lieu of 20' (per float)	\$5.00
<input checked="" type="checkbox"/> 8AC	Display board includes: ETM counter, events (cycles) counter, alarm counter and lead/lag selector switch	\$100.00	<input type="checkbox"/> 16D	40' cord in lieu of 20' (per float)	\$15.00
<input type="checkbox"/> 9_A	Pump overload specify amperage after number 9 followed by letter "A". Example: 912A = 12 amp pump.		<input type="checkbox"/> 17C	Sensor Float® / internally weighted ▲ (per float)	\$5.00
<input type="checkbox"/> 0-30 FLA		\$60.00	<input type="checkbox"/> 17D	Sensor Float® / externally weighted ▲ (per float)	\$7.00
<input type="checkbox"/> 30-100 FLA		\$100.00	<input type="checkbox"/> 17G	SJE MilliAmpMaster™ / pipe clamp ● (per float)	\$0.00
<input type="checkbox"/> 10E	Lockable latch - NEMA 4X	\$40.00	<input type="checkbox"/> 17H	SJE MilliAmpMaster™ / externally weighted ● (per float)	\$7.00
<input type="checkbox"/> 10G	Lightning arrestor	\$200.00	<input type="checkbox"/> 17J	Sensor Float® / pipe clamp ▲ (per float)	\$0.00
<input type="checkbox"/> 10K	Anti-condensation heater	\$100.00	<input type="checkbox"/> 19F	Fourth float to separate alarm function from lag	\$25.00
<input type="checkbox"/> 11C	NEMA 1 remote alarm panel (must select option 6A)	\$80.00	<input type="checkbox"/> 24E	C-Level™ CL40 sensor with 4' vent tube & 20' cord	\$280.00
<input type="checkbox"/> 11D	NEMA 4X remote alarm panel (must select option 6A)	\$250.00	<input type="checkbox"/> 24F	C-Level™ CL40 sensor with 4' vent tube and 40' cord	\$310.00
			<input type="checkbox"/> 24G	C-Level™ CL40 sensor with 8' vent tube and 20' cord	\$285.00
			<input type="checkbox"/> 24H	C-Level™ CL40 sensor with 8' vent tube and 40' cord	\$315.00
			<input type="checkbox"/> 24X	No C-Level™ CL40 sensor	\$0.00
			<input type="checkbox"/> 29A	C-Level™ CL100 sensor w/10' vent tube & 20' cord	\$290.00
			<input type="checkbox"/> 29B	C-Level™ CL100 sensor w/10' vent tube & 40' cord	\$320.00
			<input type="checkbox"/> 29X	No C-Level™ CL100 sensor	\$0.00

● Mechanically-activated ▲ Mercury-activated

If additional features are required, call the factory for a quote on an Engineered Custom control panel.**SAMPLE****MODEL**

IFS8

1

W

1

1

4

H

912A 12B 17G

Alarm Package

Enclosure Rating

Starting Device

Pump Full Load Amps

Pump Disconnect

Float Switch Application

Options: Pump Overload, Motor Start

Components Supplied by Customer,

SJE MilliAmpMaster™/pipe clamp

IFS8 See List Price

1 Base

W Base

1 Base

1 Base

4 \$140.00

H Base

912A \$120.00

12B \$110.00

17G \$0.00

TOTAL LIST PRICE \$XXXX.XX

INSTALLER FRIENDLY SERIES® - IFS In-Site® Single Phase Simplex (Demand/TD)

Single phase, simplex demand dose or timed dose, float or C-Level™ sensor controlled system for pump control, system monitoring, event logging and reporting.

The IFS In-Site® simplex control panel is designed to control one 120, 208, or 240 VAC single phase pump in water and sewage installations. The panel features an easy-to-use touch pad with display on the inner door for programming and system monitoring. The panel configuration can be easily converted in the field to either a timed dose or demand dose. Quick retrieval of all system events including pump run times, pump cycles, alarm conditions, power outages, service calls and more can be done by downloading panel information onto a USB flash drive. Data reports make diagnosing system conditions easy.

The optional C-Level™ sensor is a pressure transducer that senses the liquid level in the tank and sends a signal to the IFS In-Site® panel. Pump activation levels can be adjusted by using the panel touch pad. C-Level™ CL40 sensor operating range is 3-39.9 inches (7.6-101.3 cm). C-Level™ CL100 operating range is 3-99.5 inches (7.6-252.7 cm).

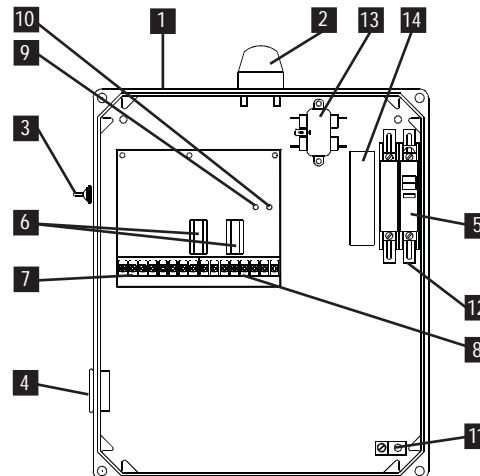
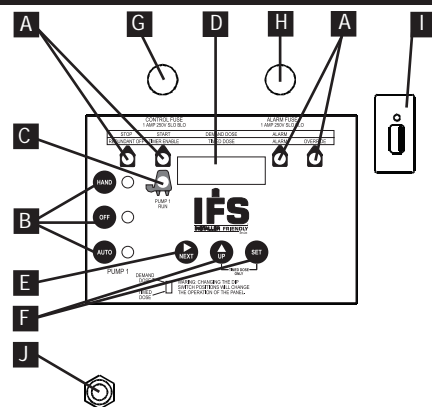
TOUCH PAD FEATURES

- A. **Level Status Indicators** illuminate when floats or set points are activated. Alarm will activate if a float operates out of sequence.
- B. **HOA (Hand-Off-Automatic) Buttons** with indication control pump mode. Hand mode defaults to Automatic when stop level or redundant off level is reached.
- C. **Pump Run Indicator** illuminates when pump is called to run.
- D. **LED Display** shows system information including: level in inches or centimeters (C-Level™ sensor only), mode, pump elapsed time (hh:mm), events (cycles), alarm counter, float error count, timed dose override counter (timed dose only), pump ON/OFF times (timed dose only), and sequence ON/OFF times (timed dose only).
- E. **NEXT Push Button** toggles display.
- F. **UP and SET Push Buttons** used to set pump ON/OFF times (timed dose only), date and hour, activation levels (C-Level™ only).
- G. **Control Fuse**
- H. **Alarm Fuse**
- I. **USB Port** for flash drive to download time-stamped system events.
- J. **Manual Report Switch** date and time stamps service calls.

PANEL COMPONENTS

1. **Enclosure** base measures 14 X 12 X 6 inches (35.56 X 30.48 X 15.24 cm). NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use). **Note:** Options, voltage, and amp range selected may change enclosure size and component layout.
2. **Red Alarm Beacon** provides 360° visual check of alarm condition.
3. **Exterior Alarm Test/Normal/Silence Switch** allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition is cleared.
4. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).
5. **Circuit Breaker** (optional) provides pump disconnect and branch circuit protection.
6. **Power Relay** controls pump by switching electrical lines. Definite purpose contactor used when pump full load amps are above 15.
7. **Float Connection Terminal Block**
8. **Incoming Control/Alarm Terminal Block**
9. **Control Power Indicator/Fuse** indicator light illuminates if control power is present in panel. Alarm will activate if control fuse is blown.
10. **Alarm Power Indicator/Fuse** indicator light illuminates if alarm power is present in panel.
11. **Ground Lug**
12. **Incoming Pump Power Connections**
13. **RF Filter**
14. **Power Supply**

NOTE: Schematic/Wiring Diagram and Pump Specification Label are located inside the panel on enclosure cover



Model Shown IF11W114X8AC

Reg. Cdn Pat. & TM Off

C-Level™ Sensor US Patent 8,336,385. Other patents pending.

FEATURES

- Entire control system is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Standard package includes:
Demand Dose - three 20' SJE MilliAmpMaster™ control switches
Timed Dose - two 20' SJE MilliAmpMaster™ control switches
- Complete with step-by-step installation instructions
- Three-year limited warranty



SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

SJE Rhombus®

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MODEL IFI

MODEL TYPE		
<input type="checkbox"/>	1 = SPLX TIMED DOSE (includes option 8AC standard)	\$1932.00
<input type="checkbox"/>	2 = SPLX DEMAND DOSE (includes option 8AC standard)	\$1958.00
ALARM PACKAGE		
<input checked="" type="checkbox"/>	1 = alarm package (includes test/normal/silence switch, fuse, red light & horn)	Base
ENCLOSURE RATING		
<input checked="" type="checkbox"/>	W = NEMA 4X	Base
STARTING DEVICE		
<input type="checkbox"/>	1 = 120/208/240 VAC	Base
<input type="checkbox"/>	9 = 120 VAC	Base
PUMP FULL LOAD AMPS		
<input type="checkbox"/>	0 = 0-7 FLA	Base
<input type="checkbox"/>	1 = 7-15 FLA	Base
<input type="checkbox"/>	2 = 15-20 FLA	\$80.00
PUMP DISCONNECTS		
<input type="checkbox"/>	0 = no pump disconnect	Base
<input type="checkbox"/>	4 = circuit breaker	
	120 VAC (must select starting device option 9)	\$35.00
	120/208/240 VAC (must select starting device option 1)	\$70.00
SWITCH APPLICATIONS		
<input type="checkbox"/>	H = floats (Timed dose = timer enable and alarm / Demand dose = stop, start, and alarm)(select 17 option)	Base
<input type="checkbox"/>	X = no floats	
	timed dose	\$50.00
	demand dose	\$75.00
<input type="checkbox"/>	C = C-Level™ sensor (must select 24 or 29 option)	
	(select option 3E and/or 4A & 4D for high water alarm and/or redundant off floats)	
	timed dose	\$50.00
	demand dose	\$75.00

Note: Pump down applications only.

Industry practices suggest that a secondary device, such as a float switch, be used for redundant activation of the high level alarm and pump shut off.

Note: Pump down applications only.

OPTIONS *Listed below*

CODE DESCRIPTION		LIST PRICE	Total Options		
			TOTAL LIST PRICE		
<input type="checkbox"/>	1J Duo alarm inputs	\$25.00	<input type="checkbox"/>	15A Control / Alarm circuit breaker	\$85.00
<input type="checkbox"/>	3A Alarm flasher	\$50.00	<input type="checkbox"/>	16A 10' cord in lieu of 20' (per float)	-\$2.00
<input type="checkbox"/>	3B Manual alarm reset	\$90.00	<input type="checkbox"/>	16B 15' cord in lieu of 20' (per float)	-\$1.00
<input type="checkbox"/>	3E High water alarm float (must select 17 option)	\$25.00	<input type="checkbox"/>	16C 30' cord in lieu of 20' (per float)	\$5.00
(Available only when Switch Applications = C)			<input type="checkbox"/>	16D 40' cord in lieu of 20' (per float)	\$15.00
<input type="checkbox"/>	4A Redundant off (select option 4D if floats are required)		<input type="checkbox"/>	17C Sensor Float® / internally weighted ▲ (per float)	\$5.00
	Demand Dose	\$55.00	<input type="checkbox"/>	17D Sensor Float® / externally weighted ▲ (per float)	\$7.00
	Timed Dose	\$0.00	<input type="checkbox"/>	17G MilliAmpMaster™ / pipe clamp ● (per float)	\$0.00
<input type="checkbox"/>	4D Redundant off float		<input type="checkbox"/>	17H MilliAmpMaster™ / externally weighted ● (per float) ..	\$7.00
	(must select 4A option)	\$25.00	<input type="checkbox"/>	17J Sensor Float® / pipe clamp ▲ (per float)	\$0.00
<input type="checkbox"/>	6A Auxiliary alarm contacts, form C	\$40.00	<input type="checkbox"/>	18A Timer override option with float	
<input checked="" type="checkbox"/>	8AC Display board includes: ETM counter, events (cycles)			(timed dose float panel only)	\$25.00
	counter, alarm counter, and override counter (timed dose		<input type="checkbox"/>	24E C-Level™ CL40 sensor w/4' vent tube & 20' cord...	\$280.00
	only). (Included as standard.)	\$0.00	<input type="checkbox"/>	24F C-Level™ CL40 sensor w/4' vent tube & 40' cord...	\$310.00
<input type="checkbox"/>	10E Lockable latch - NEMA 4X	\$40.00	<input type="checkbox"/>	24G C-Level™ CL40 sensor w/8' vent tube & 20' cord...	\$285.00
<input type="checkbox"/>	10F Lightning arrestor (must select pump circuit breaker,		<input type="checkbox"/>	24H C-Level™ CL40 sensor w/8' vent tube & 40' cord...	\$315.00
	control and alarm power combined)	\$230.00	<input type="checkbox"/>	24X No C-Level™ CL40 sensor	\$0.00
<input type="checkbox"/>	10K Anti-condensation heater	\$100.00	<input type="checkbox"/>	29A C-Level™ CL100 sensor w/10' vent tube & 20' cord..	\$290.00
	(must select if operating temperature is colder		<input type="checkbox"/>	29B C-Level™ CL100 sensor w/10' vent tube & 40' cord..	\$320.00
	than 0 degrees F (-18 degrees C.)		<input type="checkbox"/>	29X No C-Level™ CL100 sensor	\$0.00
<input type="checkbox"/>	11C NEMA 1 alarm panel (must select option 6A)	\$80.00			
<input type="checkbox"/>	11D NEMA 4X alarm panel			● Mechanically-activated	▲ Mercury-activated
	(must select option 6A)	\$250.00			

If additional features are required, call the factory for a quote on an Engineered Custom control panel.

SAMPLE

MODEL	IFI	1	1	W	9	1	4	H	8AC 10E 17G	
Model Type										IFI1 See List Price
Alarm Package										1 Base
Enclosure Rating										W Base
Starting Device										9 Base
Pump Full Load Amps										1 Base
Pump Disconnects										4 \$35.00
Switch Application										H Base
Options: Display, Lockable Latch, SJE MilliAmpMaster™ / pipe clamp										8AC \$0.00
										10E \$40.00
										17G \$0.00
										TOTAL LIST PRICE \$XXXX.XX

INSTALLER FRIENDLY SERIES® - IFS In-Site® Single Phase Duplex (Demand/TD)

Single phase, duplex demand dose or timed dose, float or C-Level™ sensor controlled system for pump control, system monitoring, event logging and reporting.

The IFS In-Site® duplex control panel is designed to control two (alternating) 120, 208, or 240 VAC single phase pumps in water and sewage installations. The alternating action equalizes pump wear. In addition to the alternating pump control, this system provides override control should either pump fail. The panel features an easy-to-use touch pad with display on the inner door for programming and system monitoring. The panel configuration can be easily converted in the field to either a timed dose or demand dose. Quick retrieval of all system events including pump run times, pump cycles, alarm conditions, power outages, service calls and more can be done by downloading panel information onto a USB flash drive. Data reports make diagnosing system conditions easy.

The optional C-Level™ sensor is a pressure transducer that senses the liquid level in the tank and sends a signal to the IFS panel. Pump activation levels can be adjusted by using the panel touch pad. C-Level™ CL40 sensor operating range is 3-39.9 inches (7.6-101.3 cm). C-Level™ CL100 operating range is 3-99.5 inches (7.6-252.7 cm).

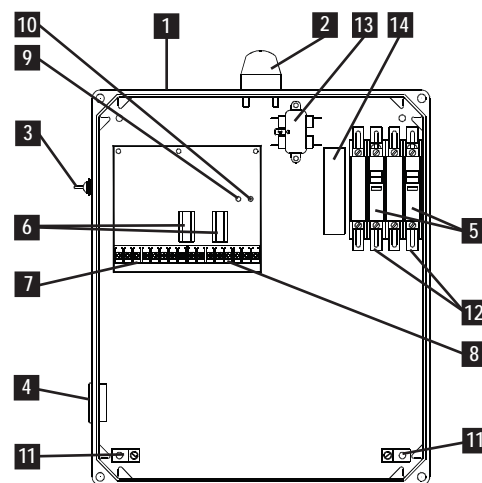
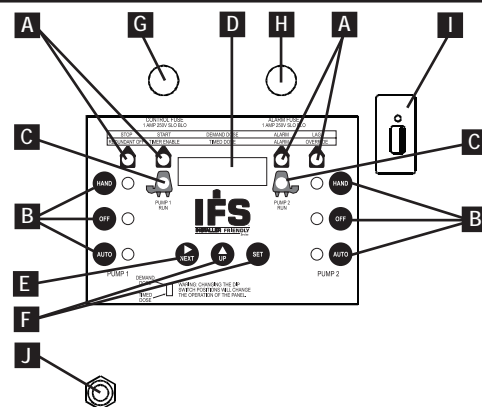
TOUCH PAD FEATURES

- A. Level Status Indicators** illuminate when floats or set points are activated. Alarm will activate if a float operates out of sequence.
- B. HOA (Hand-Off-Automatic) Buttons** with indication control pump mode. Hand mode defaults to Automatic when stop level or redundant off level is reached.
- C. Pump Run Indicators** will illuminate when pumps are called to run.
- D. LED Display** shows system information including: level in inches or centimeters (C-Level™ only), mode, pumps elapsed time (hh:mm), events (cycles), alarm counter, float error count, timed dose override counter (timed dose only), pump ON/OFF times (timed dose only), and sequence ON/OFF times (timed dose only).
- E. NEXT Push Button** toggles display.
- F. UP and SET Push Buttons** used to set pump ON/OFF times (timed dose only), pump operation (alternate 1-2 and 2-1), date and hour, activation levels (C-Level™ only).
- G. Control Fuse**
- H. Alarm Fuse**
- I. USB Port** for flash drive to download time-stamped system events.
- J. Manual Report Switch** date and time stamps service calls.

PANEL COMPONENTS

- 1. **Enclosure** base measures 16 X 14 X 6 inches (40.64 X 35.56 X 15.24 cm). NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use). **Note:** Options, voltage, and amp range selected may change enclosure size and component layout.
- 2. **Red Alarm Beacon** provides 360° visual check of alarm condition.
- 3. **Exterior Alarm Test/Normal/Silence Switch** allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition is cleared.
- 4. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).
- 5. **Circuit Breakers** (optional) provide pump disconnect and branch circuit protection.
- 6. **Power Relays** control pump by switching electrical lines. Definite purpose contactors used when pump full load amps are above 15.
- 7. **Float Connection Terminal Block**
- 8. **Incoming Control/Alarm Terminal Block**
- 9. **Control Power Indicator/Fuse** indicator light illuminates if control power is present in panel. Alarm activates if control fuse is blown.
- 10. **Alarm Power Indicator/Fuse** indicator light illuminates if alarm power is present in panel.
- 11. **Ground Lugs**
- 12. **Incoming Pump Power Connections**
- 13. **RF Filter**
- 14. **Power Supply**

NOTE: Schematic/Wiring Diagram and Pump Specification Label are located inside the panel on enclosure cover.



Model Shown IFI31W114X8AC

Reg. Cdn Pat. & TM Off

C-Level™ Sensor US Patent 8,336,385. Other patents pending.

FEATURES

- Entire control system is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Standard package includes:
 - Demand Dose** - three 20' SJE MilliAmpMaster™ control switches
 - Timed Dose** - two 20' SJE MilliAmpMaster™ control switches
- Complete with step-by-step installation instructions
- Three-year limited warranty



SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

SJE Rhombus®

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MODEL IFI

<input type="checkbox"/>	3 = DPLX TIMED DOSE (includes option 8AC standard)	\$2010.00
<input type="checkbox"/>	4 = DPLX DEMAND DOSE (includes option 8AC standard)	\$2036.00
<input checked="" type="checkbox"/>	ALARM PACKAGE	
<input checked="" type="checkbox"/>	1 = alarm package (includes test/normal/silence switch, fuse, red light & horn)	Base
<input checked="" type="checkbox"/>	ENCLOSURE RATING	
<input checked="" type="checkbox"/>	W = NEMA 4X	Base
<input type="checkbox"/>	STARTING DEVICE	
<input type="checkbox"/>	1 = 120/208/240 VAC	Base
<input type="checkbox"/>	9 = 120 VAC	Base
<input type="checkbox"/>	PUMP FULL LOAD AMPS	
<input type="checkbox"/>	0 = 0-7 FLA	Base
<input type="checkbox"/>	1 = 7-15 FLA	Base
<input type="checkbox"/>	2 = 15-20 FLA	\$105.00
<input type="checkbox"/>	PUMP DISCONNECTS	
<input type="checkbox"/>	0 = no pump disconnect	Base
<input type="checkbox"/>	4 = circuit breaker(s)	
	120 VAC (must select starting device option 9)	\$70.00
	120/208/240 VAC (must select starting device option 1)	\$140.00
<input type="checkbox"/>	SWITCH APPLICATIONS	
<input type="checkbox"/>	H = floats (Timed dose = timer enable and alarm / Demand dose = stop, start, and lag/alarm)(select 17 option)	Base
<input type="checkbox"/>	X = no floats	
	timed dose	-\$50.00
	demand dose	-\$75.00
<input type="checkbox"/>	C = C-Level™ sensor (must select 24 or 29 option)	
	(select option 3E and/or 4A & 4D for high water alarm and/or redundant off floats)	
	timed dose	-\$50.00
	demand dose	-\$75.00

Note: Pump down applications only.

Industry practices suggest that a secondary device, such as a float switch, be used for redundant activation of the high level alarm and pump shut off.

OPTIONS

Listed below

CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/> 1J	Duo alarm inputs	\$25.00
<input type="checkbox"/> 3A	Alarm flasher	\$50.00
<input type="checkbox"/> 3B	Manual reset alarm	\$90.00
<input type="checkbox"/> 3E	High water alarm float (must select 17 option)	\$25.00
(Available only when Switch Applications = C)		
<input type="checkbox"/> 4A	Redundant off (select option 4D if floats are required)	
	Demand Dose	\$55.00
	Timed Dose	\$0.00
<input type="checkbox"/> 4D	Redundant off float	
	(must select 4A option) (must select 17 option)	\$25.00
<input type="checkbox"/> 6A	Auxiliary alarm contacts, form C	\$40.00
<input checked="" type="checkbox"/> 8AC	Display board includes: ETM counter, events (cycles) counter, alarm counter, and override counter (timed dose only). (Included as standard.)	\$0.00
<input type="checkbox"/> 10E	Lockable latch - NEMA 4X	\$40.00
<input type="checkbox"/> 10F	Lightning arrestor (must select pump circuit breakers, control and alarm power combined)	\$230.00
<input type="checkbox"/> 10K	Anti-condensation heater	\$100.00
(must select if operating temperature is colder than 0 degrees F (-18 degrees C.))		
<input type="checkbox"/> 11C	NEMA 1 alarm panel (must select option 6A)	\$80.00
<input type="checkbox"/> 11D	NEMA 4X alarm panel (must select option 6A)	\$250.00
<input type="checkbox"/> 15A	Control / Alarm circuit breaker	\$85.00

		Total Options
		TOTAL LIST PRICE
CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/> 16A	10' cord in lieu of 20' (per float)	-\$2.00
<input type="checkbox"/> 16B	15' cord in lieu of 20' (per float)	-\$1.00
<input type="checkbox"/> 16C	30' cord in lieu of 20' (per float)	\$5.00
<input type="checkbox"/> 16D	40' cord in lieu of 20' (per float)	\$15.00
<input type="checkbox"/> 17C	Sensor Float® / internally weighted ▲ (per float)	\$5.00
<input type="checkbox"/> 17D	Sensor Float® / externally weighted ▲ (per float)	\$7.00
<input type="checkbox"/> 17G	MilliAmpMaster™ / pipe clamp ● (per float)	\$0.00
<input type="checkbox"/> 17H	MilliAmpMaster™ / externally weighted ● (per float)	\$7.00
<input type="checkbox"/> 17J	Sensor Float® / pipe clamp ▲ (per float)	\$0.00
<input type="checkbox"/> 18A	Timer override float	
	(timed dose float panel only)	\$25.00
<input type="checkbox"/> 19F	Fourth float to separate alarm function from lag	
	(demand dose float panel only)	\$25.00
<input type="checkbox"/> 24E	C-Level™ sensor with 4' vent tube & 20' cord	\$280.00
<input type="checkbox"/> 24F	C-Level™ sensor with 4' vent tube & 40' cord	\$310.00
<input type="checkbox"/> 24G	C-Level™ sensor with 8' vent tube & 20' cord	\$285.00
<input type="checkbox"/> 24H	C-Level™ sensor with 8' vent tube & 40' cord	\$315.00
<input type="checkbox"/> 24X	No C-Level™ CL40 sensor	\$0.00
<input type="checkbox"/> 29A	C-Level™ CL100 sensor w/10' vent tube & 20' cord	\$290.00
<input type="checkbox"/> 29B	C-Level™ CL100 sensor w/10' vent tube & 40' cord	\$320.00
<input type="checkbox"/> 29X	No C-Level™ CL100 sensor	\$0.00

● Mechanically-activated ▲ Mercury-activated

If additional features are required, call the factory for a quote on an Engineered Custom control panel.

SAMPLE

MODEL	IFI	3	1	W	9	1	4	H	8AC 10E 17G	IFI3 See List Price
Model Type										1 Base
Alarm Package										W Base
Enclosure Rating										9 Base
Starting Device										1 Base
Pump Full Load Amps										4 \$70.00
Pump Disconnects										H Base
Switch Application										8AC \$0.00
Options: Display, Lockable Latch,										10E \$40.00
SJE MilliAmpMaster™ / pipe clamp										17G \$0.00
										TOTAL LIST PRICE \$XXXX.XX

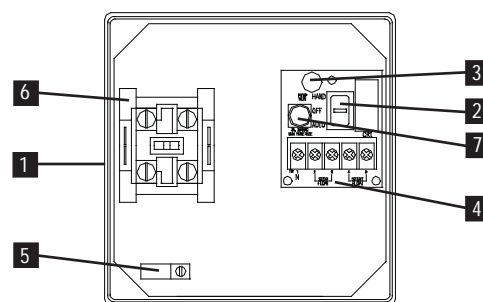
MODEL 111 Control Panel

Single phase, simplex motor contactor or pump switch control.

The Model 111 control panel provides a reliable means of controlling one 120, 208, or 240 VAC single phase pump in water and wastewater installations. The motor contactor version utilizes two control switches that activate a magnetic motor contactor to turn the pump on and off. A pump float switch can also be utilized as the pump starting device. Common applications include pump chambers, sump pump basins, irrigation systems, and lift stations.

PANEL COMPONENTS

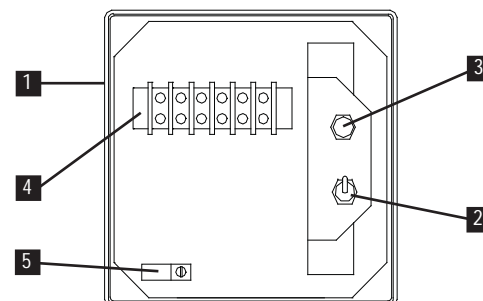
1. **Enclosure** measures 6 x 6 x 4 inches (15.24 x 15.24 x 10.16 cm). Choice of NEMA 1 (steel for indoor use), or NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use).
2. **HOA Switch** for manual pump control.
3. **Green Pump Run Indicator Light**
4. **Terminal Block**
5. **Ground Lug**
6. **Magnetic Motor Contactor** controls pump by switching electrical lines. (Motor contactor models only.)
7. **Control Fuse**



**Model Shown 1110W910X
Motor Contactor Control**

FEATURES

- Entire control system (panel and switches) is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Standard package includes float switches
- Complete with step-by-step installation instructions
- Three-year limited warranty



**Model Shown 1110W600X
Pump Switch Control**



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SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

111	0				0			
MODEL 111								\$336.00
ALARM PACKAGE								
<input checked="" type="checkbox"/>	0 = select options or no alarm package.....							Base
ENCLOSURE RATING								
<input type="checkbox"/>	I = Indoor, NEMA 1 (metal).....							- \$40.00
<input type="checkbox"/>	W = Weatherproof, NEMA 4X (engineered thermoplastic).....							Base
STARTING DEVICE								
<input type="checkbox"/>	1 = magnetic motor contactor 120/208/240V							\$ 5.00
<input type="checkbox"/>	2 = SJE PumpMaster® Plus pump switch (0-15 FLA).....							- \$50.00
<input type="checkbox"/>	3 = 120 VAC Double Float® pump switch (0-15 FLA)							- \$20.00
<input type="checkbox"/>	4 = 240 VAC Double Float® pump switch (0-12 FLA)							- \$20.00
<input type="checkbox"/>	5 = Super Single® pump switch (120V = 0-15 FLA) (208/240V = 0-12 FLA).....							- \$40.00
<input type="checkbox"/>	6 = no pump switch							- \$85.00
<input type="checkbox"/>	7 = 120 VAC Double Float® Master pump switch (0-15 FLA).....							- \$25.00
<input type="checkbox"/>	8 = 240 VAC Double Float® Master pump switch (0-15 FLA).....							- \$25.00
<input type="checkbox"/>	9 = magnetic motor contactor 120V only.....							Base
PUMP FULL LOAD AMPS								
<input type="checkbox"/>	0 = 0-7 FLA.....							Base
<input type="checkbox"/>	1 = 7-15 FLA.....							Base
<input type="checkbox"/>	2 = 15-20 FLA (for magnetic motor contactor only - select options "1" or "9" under "starting device")							Base
PUMP DISCONNECTS								
<input checked="" type="checkbox"/>	0 = no pump disconnect.....							Base
FLOAT SWITCH APPLICATION								
<input type="checkbox"/>	H or L = pump down or pump up (select 17 option if motor contactor is chosen as starting device)							Base
<input type="checkbox"/>	X = no floats with motor contactor (starting device options "1" or "9").....							- \$ 50.00
<input type="checkbox"/>	X = no floats (starting device option "6")							Base
OPTIONS <i>Listed below</i>								
Total Options								
TOTAL LIST PRICE								



Options 17A, 17B, 17C, 17D, 17E, 17F & 17J may only be selected if a contactor is chosen as the starting device.

CODE	DESCRIPTION	LIST PRICE	CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/> 10E	Lockable latch - NEMA 4X.....	\$20.00	<input type="checkbox"/> ★17A	SJE SignalMaster® / pipe clamp ● (per float)	- \$2.00
<input type="checkbox"/> 10E	Lockable latch - NEMA 1	\$30.00	<input type="checkbox"/> ★17B	SJE SignalMaster® / externally weighted ● (per float)	\$5.00
<input type="checkbox"/> 16A	10' cord in lieu of 20' (per float)	- \$2.00	<input type="checkbox"/> ★17C	Sensor Float® / internally weighted ▲ (per float)	\$5.00
	(Does not apply for Double Float® pump switch)		<input type="checkbox"/> ★17D	Sensor Float® / externally weighted ▲ (per float)	\$7.00
<input type="checkbox"/> 16B	15' cord in lieu of 20' (per float)	- \$1.00	<input type="checkbox"/> ★17E	Sensor Float® Mini / pipe clamp ▲ (per float)	- \$2.00
<input type="checkbox"/> 16C	30' cord in lieu of 20' (per float)	\$5.00	<input type="checkbox"/> ★17F	Sensor Float® Mini / externally weighted ▲ (per float)	\$5.00
<input type="checkbox"/> 16D	40' cord in lieu of 20' (per float)	\$15.00	<input type="checkbox"/> ★17J	Sensor Float® / pipe clamp ▲ (per float)	\$0.00
			<input type="checkbox"/> 19X	Door mounted pump run indicator	\$30.00

● Mechanically-activated ▲ Mercury-activated

If additional features are required, call the factory for a quote on an Engineered Custom control panel.

SAMPLE

MODEL	111	0	I	9	1	0	H	10E 17A	111..... See List Price
Alarm Package									0..... Base
Enclosure Rating									I..... - \$40.00
Starting Device									9..... Base
Pump Full Load Amps									1..... Base
Pump Disconnect									0..... Base
Float Switch Application									H..... Base
Options: Lockable Latch, SJE SignalMaster® / pipe clamp									10E..... \$ 30.00
									17A..... - \$4.00
TOTAL LIST PRICE									XXX.XX

MODEL 115 Control Panel

Single phase, simplex pump switch control.

The Model 115 control panel provides customers with a reliable means of controlling one 120, 208, or 240 VAC single phase pump in water and wastewater installations. A pump float switch turns the pump on and off. If an alarm condition occurs, an additional alarm switch activates the audio/visual alarm system. Common applications include pump chambers, sump pump basins, irrigation systems, and lift stations.

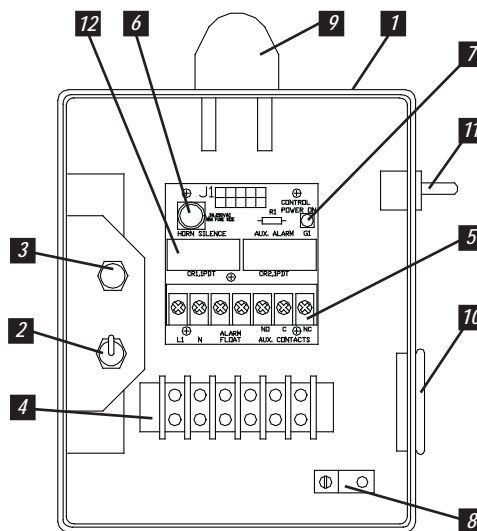
PANEL COMPONENTS

1. **Enclosure** measures 8 x 6 x 4 inches (20.32 X 15.24 X 10.16 cm). Choice of NEMA 1 (steel for indoor use), or NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use).
2. **HOA Switch** for manual pump control.
3. **Green Pump Run Indicator Light**
4. **Pump Circuit Terminal Block**
5. **Alarm Circuit Terminal Block** (mounted on circuit board).
6. **Alarm Fuse** (mounted on circuit board).
7. **Alarm Power Indicator** (mounted on circuit board).
8. **Ground Lug**

STANDARD ALARM PACKAGE

9. **Red Alarm Beacon** provides 360° visual check of alarm condition
Note: NEMA 1 style utilizes a door mounted indicator in lieu of a beacon.
10. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating) **Note:** NEMA 1 style utilizes an internally mounted buzzer in lieu of a horn.
11. **Exterior Alarm Test/Normal/Silence Switch** allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition is cleared.
12. **Horn Silence Relay** (mounted on circuit board).

NOTE: other options available.



Model Shown 1151W600X



FEATURES

- Entire control system (panel and switches) is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Standard package includes float switches
- Complete, step-by-step installation instructions
- Three-year limited warranty

OPTIONAL FEATURE

- **34" (86.36cm) Panel Mounting Post** (Factory Installed). Includes Simplex Installation Kit (Enclosure upsized to 10" x 8" x 6" (25.4 x 20.32 x 15.24 cm). Max. Enclosure size 14" x 12" x 6" (35.56 x 30.48 x 15.24 cm)

SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

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115**MODEL 115**

\$475.00

ALARM PACKAGE

- ☐ 0 = select options or no alarm package - \$35.00
- ☐ 1 = alarm package (includes test/normal/silence switch, fuse, red light, horn, & float) Base

ENCLOSURE RATING

- ☐ I = Indoor, NEMA 1 (metal) - \$50.00
- ☐ W = Weatherproof, NEMA 4X (engineered thermoplastic) Base

STARTING DEVICE

- ☐ 2 = SJE PumpMaster® Plus pump switch (0-15 FLA) - \$10.00
- ☐ 3 = 120 VAC Double Float® pump switch (0-15 FLA) \$40.00
- ☐ 4 = 240 VAC Double Float® pump switch (0-12 FLA) \$40.00
- ☐ 5 = Super Single® pump switch (120V = 0-15 FLA) (208/240V = 0-12 FLA) Base
- ☐ 6 = No pump switch - \$40.00
- ☐ 7 = 120 VAC Double Float® Master pump switch (0-15 FLA) \$35.00
- ☐ 8 = 240 VAC Double Float® Master pump switch (0-15 FLA) \$35.00

PUMP FULL LOAD AMPS

- ☐ 0 = 0-7 FLA Base
- ☐ 1 = 7-15 FLA Base

PUMP DISCONNECTS

- ☐ 0 = no pump disconnect Base
- ☐ 4 = circuit breaker \$70.00

FLOAT SWITCH APPLICATION

- ☐ H or L = pump down or pump up (select 17 option) Base
- ☐ X = no floats - \$25.00

OPTIONS *Listed below*

Total Options _____

TOTAL LIST PRICE _____

CODE	DESCRIPTION	LIST PRICE	CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/> 1A	Red beacon only / no audio (must select 1E if floats included)	\$15.00	<input type="checkbox"/> 11C	NEMA 1 alarm panel (must select option 6A).....	\$80.00
<input type="checkbox"/> 1C	Horn only / no visual (must select 1E if floats included)	\$15.00	<input type="checkbox"/> 11D	NEMA 4X alarm panel (must select option 6A).....	\$250.00
<input type="checkbox"/> 1E	Alarm float.....	\$25.00	<input type="checkbox"/> 16A	10' cord in lieu of 20' (per float) (Does not apply for Double Float® pump switch)	- \$2.00
<input type="checkbox"/> 3A	Alarm flasher.....	\$45.00	<input type="checkbox"/> 16B	15' cord in lieu of 20' (per float) -	\$1.00
<input type="checkbox"/> 3B	Manual alarm reset.....	\$90.00	<input type="checkbox"/> 16C	30' cord in lieu of 20' (per float) -	\$5.00
<input type="checkbox"/> 6A	Auxiliary alarm contact, form C.....	\$15.00	<input type="checkbox"/> 16D	40' cord in lieu of 20' (per float) -	\$15.00
<input type="checkbox"/> 8A	Elapsed time meter (120V).....	\$85.00	<input type="checkbox"/> 17A	SJE SignalMaster® / pipe clamp ● (alarm float only)	- \$2.00
<input type="checkbox"/> 8B	Elapsed time meter (240V).....	\$140.00	<input type="checkbox"/> 17E	Sensor Float® Mini / pipe clamp ▲ (alarm float only)	- \$2.00
<input type="checkbox"/> 10E	Lockable latch - NEMA 4X.....	\$20.00	<input type="checkbox"/> 17J	Sensor Float® / pipe clamp ▲ (alarm float only).....	\$0.00
<input type="checkbox"/> 10E	Lockable latch - NEMA 1.....	\$30.00	<input type="checkbox"/> 19U	HOA (Hand/Off Automatic) switch and pump run light through door mounted.....	\$60.00
<input type="checkbox"/> 10P	Panel Mounting Post (Factory Installed. Includes Simplex Install. Kit)(Encl. upsized to 10x8x6.Max 14x12x6).....	\$90.00	<input type="checkbox"/> 19X	Door mounted pump run indicator	\$30.00

● Mechanically-activated ▲ Mercury-activated

If additional features are required, call the factory for a quote on an Engineered Custom control panel.

SAMPLE**MODEL** **115** **1** **W** **6** **0** **0** **X** **8A**

Alarm Package _____

Enclosure Rating _____

Starting Device _____

Pump Full Load Amps _____

Pump Disconnect _____

Float Switch Application _____

Options: Elapsed time meter _____

115 See List Price

1 Base

W Base

6 - \$40.00

0 Base

0 Base

X - \$25.00

8A \$85.00

TOTAL LIST PRICE \$XXX.XX

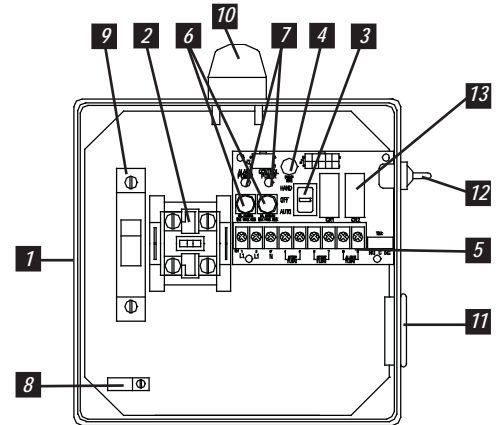
MODEL 112 Control Panel

Single phase, simplex motor contactor control.

The Model 112 control panel provides a reliable means of controlling one 120, 208, or 240 VAC single phase pump in pump chambers, sump pump basins, irrigation systems and lift stations. Two control switches activate a magnetic motor contactor to turn the pump on and off. If an alarm condition occurs, an additional alarm switch activates the audio/visual alarm system.

PANEL COMPONENTS

1. **Enclosure** measures 8 x 8 x 4 inches (20.32 X 20.32 X 10.16 cm). Choice of NEMA 1 (steel for indoor use), or NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use).
* Options selected may increase enclosure size and change component layout.
2. **Magnetic Motor Contactor** controls pump by switching electrical lines.
3. **HOA Switch** for manual pump control (mounted on circuit board).
4. **Green Pump Run Indicator Light** (mounted on circuit board).
5. **Float Switch Terminal Block** (mounted on circuit board).
6. **Alarm and Control Fuses** (mounted on circuit board).
7. **Alarm and Control Power Indicators** (mounted on circuit board).
8. **Ground Lug**
9. **Circuit Breaker** (optional) provides pump disconnect and branch circuit protection.



Model Shown 1121W914X

STANDARD ALARM PACKAGE

10. **Red Alarm Beacon** provides 360° visual check of alarm condition.
Note: NEMA 1 style utilizes a door mounted indicator in lieu of a beacon.
11. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).
Note: NEMA 1 style utilizes an internally mounted buzzer in lieu of horn.
12. **Exterior Alarm Test/Normal/Silence Switch** allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition has been cleared.
13. **Horn Silence Relay** (mounted on circuit board).

NOTE: other options available.



FEATURES

- Entire control system (panel and switches) is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Standard package includes three 20' SJE SignalMaster® control switches
- Complete with step-by-step installation instructions
- Three-year limited warranty

OPTIONAL FEATURE

- **34" (86.36cm) Panel Mounting Post** (Factory Installed). Includes Simplex Installation Kit (Enclosure upsized to 10" x 8" x 6" (25.4 x 20.32 x 15.24 cm). Max. Enclosure size 14" x 12" x 6" (35.56 x 30.48 x 15.24 cm)

SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

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112

MODEL 112

\$569.00

ALARM PACKAGE

- 0 = select options or no alarm package..... - \$35.00
 1 = alarm package (includes test/normal/silence switch, fuse, red light, horn & float)..... Base

ENCLOSURE RATING

- I = Indoor, NEMA 1 (metal)..... - \$50.00
 W = Weatherproof, NEMA 4X (engineered thermoplastic)..... Base

STARTING DEVICE

- 1 = magnetic motor contactor 120/208/240V \$5.00
 9 = magnetic motor contactor 120V only..... Base

PUMP FULL LOAD AMPS

- 0 = 0-7 FLA..... Base
 1 = 7-15 FLA..... Base
 2 = 15-20 FLA..... Base
 3 = 20-30 FLA (Enclosure Upsize required)..... \$115.00

PUMP DISCONNECTS

- 0 = no pump disconnect..... Base
 4 = circuit breaker 120V (select STARTING DEVICE option 9 above)..... \$35.00
 120/208/240V (select STARTING DEVICE option 1 above)..... \$70.00

FLOAT SWITCH APPLICATION

- H or L = pump down or pump up (select 17 option)..... Base
 X = no floats
 WITH alarm package..... - \$75.00
 WITHOUT alarm package..... - \$50.00

OPTIONS *Listed below*

ENCLOSURE UPSIZE - If you selected 3 or more of the ★ options, or one ★★ option ,
 add a one-time \$50.00 list enclosure upsize

Total Options

Enclosure Upsize

CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/> 1A	Red beacon only / no audio.....	\$15.00 (must select 1E if floats included)
<input type="checkbox"/> 1C	Horn only / no visual.....	\$15.00 (must select 1E if floats included)
<input type="checkbox"/> 1E	Alarm float	\$25.00
<input type="checkbox"/> 3A	Alarm flasher	\$45.00
<input checked="" type="checkbox"/> 3B	Manual alarm reset.....	\$90.00
<input checked="" type="checkbox"/> ★4A	Redundant off	\$55.00 (select option 4D if floats included)
<input checked="" type="checkbox"/> ★★4B	Red redundant off indicator & alarm.....	\$60.00 (must select 4A also)
<input type="checkbox"/> 4D	Redundant off float	
	(select 4A option) (select 17 option).....	\$25.00
<input checked="" type="checkbox"/> ★ 5A	Thermal cutout/heat sensor auto	\$40.00 reset (for pumps w/thermal switch leads)
<input checked="" type="checkbox"/> ★★5E	Seal failure circuit & red indicator (2 wire)	\$280.00
<input type="checkbox"/> 6A	Auxiliary alarm contact, form C.....	\$15.00
<input checked="" type="checkbox"/> ★ 8A	Elapsed time meter.....	\$75.00
<input checked="" type="checkbox"/> ★ 8C	Event (cycle) counter.....	\$65.00
<input checked="" type="checkbox"/> ★★9_A	Pump overload	
	specify amperage after number 9 followed by letter "A". Example: 912A = 12 amp pump.	
★★ <input type="checkbox"/>	0-25 FLA.....	\$245.00
★★ <input type="checkbox"/>	25-30 FLA.....	\$310.00
<input type="checkbox"/> 10E	Lockable latch - NEMA 4X.....	\$20.00
<input type="checkbox"/> 10E	Lockable latch - NEMA 1	\$30.00
<input checked="" type="checkbox"/> ★ 10F	Lightning arrester (select pump circuit breaker)	\$230.00
<input checked="" type="checkbox"/> ★ 10K	Anti-condensation heater.....	\$100.00
<input type="checkbox"/> 10P	Panel Mounting Post (Factory Installed. Includes Simplex Install. Kit) (Encl. upsized to 10x8x6. Max 14x12x6).....	\$110.00

CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/> 11C	NEMA 1 alarm panel (must select option 6A)	\$80.00
<input type="checkbox"/> 11D	NEMA 4X alarm panel (must select option 6A).....	\$250.00
<input checked="" type="checkbox"/> ★★14B	Main disconnect (rotary style, mounted through door, non-fused)	
★★ <input type="checkbox"/>	0-20 FLA	\$400.00
★★ <input type="checkbox"/>	20-30 FLA	\$430.00
<input type="checkbox"/> 15A	Control / alarm circuit breaker.....	\$85.00
<input type="checkbox"/> 16A	10' cord in lieu of 20' (per float)	- \$2.00
<input type="checkbox"/> 16B	15' cord in lieu of 20' (per float)	- \$1.00
<input type="checkbox"/> 16C	30' cord in lieu of 20' (per float)	\$5.00
<input type="checkbox"/> 16D	40' cord in lieu of 20' (per float)	\$15.00
<input type="checkbox"/> 17A	SJE SignalMaster® / mounting strap ● (per float)	- \$2.00
<input type="checkbox"/> 17B	SJE SignalMaster® / externally weighted ● (per float)	\$5.00
<input type="checkbox"/> 17C	Sensor Float® / internally weighted ▲ (per float)	\$5.00
<input type="checkbox"/> 17D	Sensor Float® / externally weighted ▲ (per float)	\$7.00
<input type="checkbox"/> 17E	Sensor Float® Mini / pipe clamp ▲ (per float)	- \$2.00
<input type="checkbox"/> 17F	Sensor Float® Mini / externally weighted ▲ (per float)	\$5.00
<input type="checkbox"/> 17J	Sensor Float® / pipe clamp ▲ (per float)	\$0.00
<input type="checkbox"/> 19T	TOA (Test/Off/Automatic) switch and pump run light through door mounted	\$75.00
<input type="checkbox"/> 19U	HOA (Hand/Off/Automatic) switch and pump run light through door mounted	\$60.00
<input type="checkbox"/> 19X	Door mounted pump run indicator	\$30.00
<input type="checkbox"/> 21A	SJE PumpMaster® in lieu of on/off switches ●	- \$10.00
<input type="checkbox"/> 21B	SJE PumpMaster® Plus in lieu of on/off switches ●	\$16.00
<input type="checkbox"/> 21C	Super Single® in lieu of on/off switches ▲	\$16.00
<input type="checkbox"/> 21D	Double Float® in lieu of on/off switches ▲	\$30.00

● Mechanically-activated ▲ Mercury-activated

If additional features are required, call the factory for a quote on an Engineered Custom control panel.

SAMPLE**MODEL** 112 1 W 9 1 4 H 3A 8A 17A

Alarm Package

Enclosure Rating

Starting Device

Pump Full Load Amps

Pump Disconnect

Float Switch Application

Options: Flasher, Elapsed Time Meter,

SJE SignalMaster® / pipe clamp

112 See List Price
 1 Base
 W Base
 9 Base
 1 Base
 4 \$35.00
 H Base
 3A \$45.00
 8A \$75.00
 17A \$6.00

TOTAL LIST PRICE \$XXX.XX

MODEL 122 Control Panel

Single phase, duplex alternating pump control with override.

The Model 122 control panel is designed to alternately control two 120, 208, or 240 VAC single phase pumps in water and sewage installations. The alternating action equalizes pump wear. In addition to the alternating pump control, this system provides override control should either pump fail. If an alarm condition occurs, an alarm switch activates the audio/visual alarm system. Common applications include pump chambers, sump pump basins, irrigation systems and lift stations.

PANEL COMPONENTS

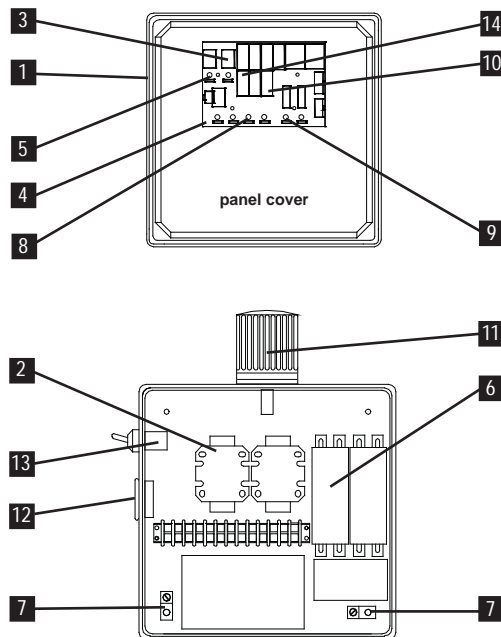
1. **Enclosure** measures 10 X 10 X 6 inches (25.4 X 25.4 X 15.24 cm). Choice of NEMA 1 (steel for indoor use), or NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use). **Note:** Options selected may increase enclosure size and change component layout.
2. **Magnetic Motor Contactors** control pumps by switching electrical lines.
3. **HOA Switches** for manual pump control (mounted on circuit board).
4. **Control Circuit Board** provides pump control and alternation.
5. **Green pump Run Indicator Lights** (mounted on circuit board).
6. **Circuit Breakers** (optional) provide pump disconnect and branch circuit protection.
7. **Ground Lugs**
8. **Float Status Indicator Lights** (mounted on circuit board).
9. **Control and Alarm Power Indicator Lights** (mounted on circuit board)
10. **Auxiliary Alarm Contact**, form C (mounted on circuit board).

NOTE: Schematic is located inside the panel on enclosure cover.

STANDARD ALARM PACKAGE

11. **Red Alarm Beacon** provides 360° visual check of alarm condition. **Note:** NEMA 1 style utilizes a door mounted indicator in lieu of a beacon.
12. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating). **Note:** NEMA 1 style utilizes an internally mounted buzzer in lieu of horn.
13. **Exterior Alarm Test/Normal/Silence Switch** allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition is cleared.
14. **Horn Silence Relay** (mounted on circuit board).

NOTE: other options available.



Model Shown 1221W114X6A



FEATURES

- Entire control system (panel and switches) is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Standard package includes three 20' SJE SignalMaster® control switches
- Complete with step-by-step installation instructions
- Three-year limited warranty

SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

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6A

MODEL 122

\$.879.00

ALARM PACKAGE

- | | | |
|---|---|-----------|
| 0 | = select options or no alarm package..... | - \$35.00 |
| 1 | = alarm package (includes test/normal/silence switch, fuse, red light, & horn)..... | Base |

ENCLOSURE RATING

- | | | | | | |
|--------------------------|--|--|--|--|-----------|
| <input type="checkbox"/> | I = Indoor, NEMA 1 (metal)..... | | | | - \$75.00 |
| <input type="checkbox"/> | W = Weatherproof, NEMA 4X (engineered thermoplastic) | | | | Base |

STARTING DEVICE

- | | | | | | | |
|--|---|--|--|--|--|------|
| | 1 = magnetic motor contactor 120/208/240V | | | | | Base |
| | 9 = magnetic motor contactor 120V only..... | | | | | Base |

PUMP FULL LOAD AMPS

- | | | | |
|--|--------------------|--|---------|
| | 0 = 0-7 FLA..... | | Base |
| | 1 = 7-15 FLA..... | | Base |
| | 2 = 15-20 FLA..... | | Base |
| | 3 = 20-30 FLA..... | | \$10.00 |

PUMP DISCONNECTS

- | | | |
|--------------------------|---|----------|
| <input type="checkbox"/> | 0 = no pump disconnect..... | Base |
| <input type="checkbox"/> | 4 = circuit breaker 120V (select STARTING DEVICE option 9 above)..... | \$70.00 |
| | 120/208/240V (select STARTING DEVICE option 1 above)..... | \$140.00 |

FLOAT SWITCH APPLICATION

- | | | |
|--------------------------|--|-----------|
| <input type="checkbox"/> | H or L = pump down or pump up (select 17 option) | Base |
| <input type="checkbox"/> | X = no floats | - \$75.00 |

OPTIONS *Listed below*



ENCLOSURE UPSIZE

If you selected one or more of the ★ options, or two ★★ options, —
add a one-time \$65.00 for NEMA 4X, \$100 for NEMA 1 list enclosure upsize

Total Options

Enclosure Upsize

TOTAL LIST PRICE

CODE DESCRIPTION LIST PRICE			TOTAL LIST PRICE			
<input type="checkbox"/>	1A	Red beacon only / no audio (must select "0" for alarm package)	\$20.00	<input type="checkbox"/>	10K	Anti-condensation heater \$100.00
<input type="checkbox"/>	1C	Horn only / no visual..... (must select "0" for alarm package)	\$20.00	<input type="checkbox"/>	11C	NEMA 1 alarm panel \$80.00
<input type="checkbox"/>	★★ 3A	Alarm flasher.....	\$35.00	<input type="checkbox"/>	11D	NEMA 4X alarm panel..... \$250.00
<input type="checkbox"/>	★ 3B	Manual alarm reset.....	\$135.00	<input type="checkbox"/>	★ 14B	Main disconnect (rotary style, mounted through door, non-fused) (must select circuit breaker)
<input type="checkbox"/>	★ 4A	Redundant off..... (select Option 4D if floats included)	\$40.00	★ <input type="checkbox"/>	0-20 FLA (total of both pumps).....	\$320.00
<input type="checkbox"/>	4B	Red redundant off indicator & alarm (must select Option 4A also)	\$60.00	★ <input type="checkbox"/>	20-60 FLA (total of both pumps).....	\$360.00
<input type="checkbox"/>	4D	Redundant off float (must select 4A option) (select 17 option)	\$25.00	<input type="checkbox"/>	16A	10' cord in lieu of 20' (per float) - \$2.00
<input type="checkbox"/>	★ 5A	Thermal cutout/heat sensor auto reset (for pumps w/thermal switch leads)	\$80.00	<input type="checkbox"/>	16B	15' cord in lieu of 20' (per float) - \$1.00
<input type="checkbox"/>	★ 5E	Seal failure circuit & red indicator (2 wire)	\$395.00	<input type="checkbox"/>	16C	30' cord in lieu of 20' (per float) \$5.00
<input checked="" type="checkbox"/>	6A	Auxiliary alarm contact, form C (included as standard).....	\$0.00	<input type="checkbox"/>	16D	40' cord in lieu of 20' (per float) \$15.00
<input type="checkbox"/>	★ 8A	Elapsed time meter.....	\$110.00	<input type="checkbox"/>	17A	SJE SignalMaster® / pipe clamp ● (per float) - \$2.00
<input type="checkbox"/>	★ 8C	Event (cycle) counter.....	\$90.00	<input type="checkbox"/>	17B	SJE SignalMaster® / externally weighted ● (per float) \$5.00
<input type="checkbox"/>	★ 9_A	Pump overload specify amperage after number 9 followed by letter "A". .. Example: 912A = 12 amp pump.		<input type="checkbox"/>	17C	Sensor Float® / internally weighted ▲ (per float) \$5.00
★ <input type="checkbox"/>	0-25 FLA.....	\$370.00	<input type="checkbox"/>	17D	Sensor Float® / externally weighted ▲ (per float) \$7.00	
★ <input type="checkbox"/>	25-30 FLA.....	\$500.00	<input type="checkbox"/>	17E	Sensor Float® Mini / pipe clamp ▲ (per float) - \$2.00	
<input type="checkbox"/>	10E	Lockable latch - NEMA 4X	\$40.00	<input type="checkbox"/>	17F	Sensor Float® Mini / externally weighted ▲ (per float) \$5.00
<input type="checkbox"/>	10E	Lockable latch - NEMA 1	\$40.00	<input type="checkbox"/>	17J	Sensor Float® / pipe clamp ▲ (per float) \$0.00
★ <input type="checkbox"/>	10F	Lightning arrestor (select pump circuit breaker)	\$230.00	<input type="checkbox"/>	19B	Lead lag selector switch..... \$15.00
				<input type="checkbox"/>	19F	Fourth float to separate alarm function from lag \$25.00
				<input type="checkbox"/>	19T	TOA (Test/Off/Automatic) switches and pump run lights through door mounted \$160.00
				<input type="checkbox"/>	19U	HOA (Hand/Off/Automatic) switches and pump run lights through door mounted \$150.00
				<input type="checkbox"/>	19X	Door mounted pump run indicator..... \$40.00
						● Mechanically-activated ▲ Mercury-activated

If additional features are required, call the factory for a quote on an Engineered Custom control panel.

SAMPLE

MODEL 122 1 W 9 0 4 H 6A 8AC 17A

Alarm Package

Enclosure Rating

Starting Device

Pump Full Load Amps

Pump Disconnect

Float Switch Application

Options: Auxiliary alarm contact, form C,

Elapsed time meter, event (cycle) counter,

SJE SignalMaster® / pipe clamp

122 See List Price

1	Base
---	------

W Base
0 Base

9 Base
0 Base

0	Base
4	\$70.00

H	Base
CA	\$0.00

6A	\$0.00
8A	\$110.00

8A	\$110.00
8C	\$90.00

17A.....	-\$6.00
update.....	\$65.00

upsized\$65.00

TOTAL LIST PRICE \$XXXX.XX

MODEL 312 Control Panel

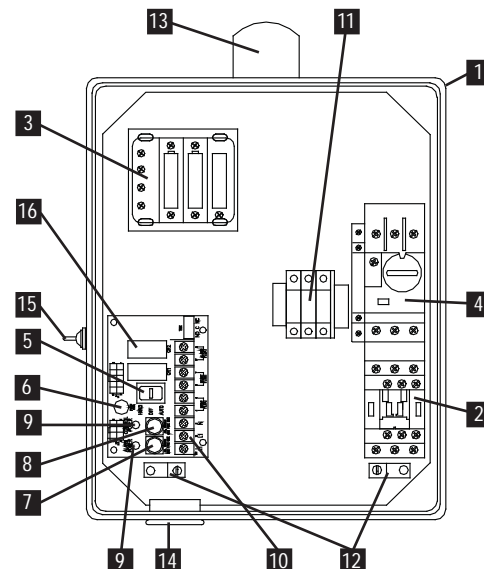
Three phase, simplex motor contactor control.

The Model 312 control panel provides industrial and commercial customers with a reliable means of controlling one 208/240/480V three phase pump in water and sewage installations. Two control switches activate an IEC motor contactor to turn the pump on and off. If an alarm condition occurs, an additional alarm switch activates the audio/visual alarm system. Common applications include pump chambers, irrigation systems, and lift stations.

PANEL COMPONENTS

1. **Enclosure** measures 12 x 10 x 6 inches (30.48 x 25.40 x 15.24 cm). NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use).
2. **IEC Motor Contactor** controls pump by switching electrical lines.
3. **Multi-Tap Transformer** (208/240/480 VAC primary) provides 120V control/ alarm voltage or 600VAC primary transformer.
4. **Motor Protective Switch** provides adjustable overload, branch circuit protection and pump disconnect.
5. **HOA Switch** for manual pump control (mounted on circuit board).
6. **Green Pump Run Indicator Light** mounted on circuit board.
7. **Alarm Fuse** (mounted on circuit board).
8. **Control Fuse** (mounted on circuit board).
9. **Alarm and Control Power Indicators** (mounted on circuit board).
10. **Float Switch Terminal Block** (mounted on circuit board).
11. **Input Power Terminal Block**
12. **Ground Lugs**

NOTE: Schematic/Wiring Diagram is located inside the panel on enclosure cover.



Model Shown 3121W511X

STANDARD ALARM PACKAGE

13. **Red Alarm Beacon** provides 360° visual check of alarm condition.
14. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).
15. **Exterior Alarm Test/Normal/Silence Switch** allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition is cleared.
16. **Horn Silence Relay** (mounted on circuit board).

NOTE: other options available.



FEATURES

- Entire control system (panel and switches) is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Standard package includes three 20' SignalMaster® control switches
- Complete with step-by-step installation instructions
- Three-year limited warranty

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SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

312**W****MODEL 312**

\$1303.00

ALARM PACKAGE

- ☐ 0 = select options or no alarm package..... - \$35.00
- ☐ 1 = alarm package (includes test/normal/silence switch, fuse, red light, horn, & float) Base

ENCLOSURE RATING

- ☒ W = Weatherproof, NEMA 4X (engineered thermoplastic) Base

PUMP FULL LOAD AMPS**208/240/480V**

- ☐ 001 = 1.0-1.6 FLA
- ☐ 101 = 1.6-2.5 FLA
- ☐ 201 = 2.5-4.0 FLA
- ☐ 301 = 4.0-6.3 FLA
- ☐ 401 = 6.0-10.0 FLA
- ☐ 511 = 9.0-14.0 FLA
- ☐ 611 = 13.0-18.0 FLA
- ☐ 621 = 17.0-23.0 FLA
- ☐ 701 = 20.0-25.0 FLA

600V

- ☐ 005 = 1.0-1.6 FLA Base
- ☐ 105 = 1.6-2.5 FLA Base
- ☐ 205 = 2.5-4.0 FLA Base
- ☐ 305 = 4.0-6.3 FLA Base
- ☐ 405 = 6.0-10.0 FLA Base
- ☐ 515 = 9.0-14.0 FLA \$45.00
- ☐ 615 = 13.0-18.0 FLA \$45.00
- ☐ 625 = 17.0-23.0 FLA \$55.00
- ☐ 705 = 20.0-25.0 FLA \$55.00

FLOAT SWITCH APPLICATION

- ☐ H or L = pump down or pump up (select 17 option) Base
- ☐ X = no floats
- WITH alarm package - \$75.00
- WITHOUT alarm package - \$50.00

OPTIONS *Listed below*

CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/> 1A	Red beacon only / no audio.....	\$15.00
	<i>(must select 1E if floats included)</i>	
<input type="checkbox"/> 1C	Horn only / no visual.....	\$15.00
	<i>(must select 1E if floats included)</i>	
<input type="checkbox"/> 1E	Alarm float	\$25.00
<input type="checkbox"/> 3A	Alarm flasher	\$45.00
<input type="checkbox"/> 3B	Manual alarm reset.....	\$90.00
<input type="checkbox"/> 4A	Redundant off	\$55.00
	<i>(select option 4D if floats included)</i>	
<input type="checkbox"/> 4B	Red redundant off indicator & alarm.....	\$60.00
	<i>activation (must select 4A also)</i>	
<input type="checkbox"/> 4D	Redundant off float	
	<i>(must select 4A option) (select 17 option)</i>	\$25.00
<input type="checkbox"/> 5A	Thermal cutout/heat sensor auto	\$40.00
	<i>reset (for pumps w/thermal switch leads)</i>	
<input type="checkbox"/> 5 E	Seal failure circuit & red indicator	\$160.00
	<i>(2 wire)</i>	
<input type="checkbox"/> 6A	Auxiliary alarm contact, form C	\$15.00
<input type="checkbox"/> 8A	Elapsed time meter	\$75.00
<input type="checkbox"/> 8C	Event (cycle) counter.....	\$65.00
<input type="checkbox"/> *10A	Clear inner swing-out door w/dead front	\$170.00
	<i>(lights and switches mounted on inner door)</i>	
	<i>*Panels ordered with this option cannot be returned.</i>	
<input type="checkbox"/> 10E	Lockable latch - NEMA 4X.....	\$40.00
<input type="checkbox"/> 10G	Lightning arrestor	\$200.00
<input type="checkbox"/> 10K	Anti-condensation heater	\$125.00

Total Options

TOTAL LIST PRICE

CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/> 11C	NEMA 1 alarm panel <i>(must select option 6A)</i>	\$80.00
<input type="checkbox"/> 11D	NEMA 4X alarm panel <i>(must select option 6A)</i>	\$250.00
<input type="checkbox"/> 14B	Main Disconnect <i>(14X12 enclosure upgrade)</i>	\$290.00
	<i>(rotary style, mounted through door, non-fused)</i>	
<input type="checkbox"/> 16A	10' cord in lieu of 20' <i>(per float)</i>	\$2.00
<input type="checkbox"/> 16B	15' cord in lieu of 20' <i>(per float)</i>	\$1.00
<input type="checkbox"/> 16C	30' cord in lieu of 20' <i>(per float)</i>	\$5.00
<input type="checkbox"/> 16D	40' cord in lieu of 20' <i>(per float)</i>	\$15.00
<input type="checkbox"/> 17A	SJE SignalMaster® / mounting strap ● <i>(per float)</i>	\$2.00
<input type="checkbox"/> 17B	SJE SignalMaster® / externally weighted ● <i>(per float)</i>	\$5.00
<input type="checkbox"/> 17C	Sensor Float® / internally weighted ▲ <i>(per float)</i>	\$5.00
<input type="checkbox"/> 17D	Sensor Float® / externally weighted ▲ <i>(per float)</i>	\$7.00
<input type="checkbox"/> 17E	Sensor Float® Mini / pipe clamp ▲ <i>(per float)</i>	\$2.00
<input type="checkbox"/> 17F	Sensor Float® Mini / externally weighted ▲ <i>(per float)</i>	\$5.00
<input type="checkbox"/> 17J	Sensor Float® / pipe clamp ▲ <i>(per float)</i>	\$0.00
<input type="checkbox"/> 19T	TOA (Test/Off/Automatic) switch and pump run light through.....	
	<i>door mounted</i>	\$75.00
<input type="checkbox"/> 19U	HOA (Hand/Off/Automatic) switch and pump run light through	
	<i>door mounted</i>	\$60.00
<input type="checkbox"/> 19X	Door mounted pump run indicator	\$30.00
<input type="checkbox"/> 21A	SJE PumpMaster® in lieu of on/off switches ●	\$10.00
<input type="checkbox"/> 21B	SJE PumpMaster® Plus in lieu of on/off switches ●	\$16.00
<input type="checkbox"/> 21C	Super Single® in lieu of on/off switches ▲	\$16.00
<input type="checkbox"/> 21D	Double Float® in lieu of on/off switches ▲	\$30.00

● Mechanically-activated ▲ Mercury-activated

If additional features are required, call the factory for a quote on an Engineered Custom control panel.**SAMPLE****MODEL****312****1****W****401****H****3A 8A 17A**

Alarm Package

Enclosure Rating

Pump Full Load Amps

Float Switch Application

Options: Flasher, Elapsed Time Meter,
SJE SignalMaster® / pipe clamp

312 See Price List

1 Base

W Base

401 Base

H Base

3A \$45.00

8A \$75.00

17A \$6.00

TOTAL LIST PRICE \$XXXX.XX

MODEL 322 Control Panel

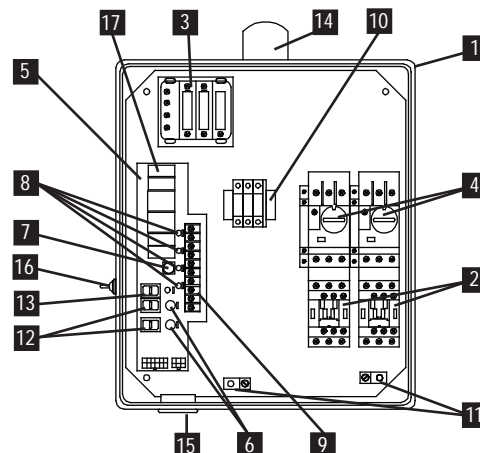
Three phase, duplex alternating pump control with override.

The Model 322 control panel is designed to alternately control two 208/240/480V three phase pumps in industrial and commercial water and sewage systems. The alternating action equalizes pump wear. In addition to the alternating pump control, this system provides override control should either pump fail. If an alarm condition occurs, the alarm switch activates the audio/visual alarm system. Common applications include lift stations, pump chambers, and irrigation systems.

PANEL COMPONENTS

1. **Enclosure** measures 14 x 12 x 6 inches (35.56 x 30.48 x 15.24 cm) NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use).
2. **IEC Motor Contactors** control pumps by switching electrical lines.
3. **Multi-Tap Transformer** (208/240/480 VAC primary) provides 120V control/alarm voltage. or 600VAC primary transformer.
4. **Motor Protective Switches** provide adjustable overload, branch circuit protection and pump disconnect.
5. **Alternating Circuit Board** provides pump control and alternation (U.S. Patent # 5,909,532).
6. **Green Pump Run Indicator Lights** (mounted on circuit board).
7. **Alarm/Control Fuse** (mounted on circuit board).
8. **Float Status Indicator Lights** (mounted on circuit board).
9. **Float Switch Terminal Block** (mounted on circuit board).
10. **Input Power Terminal Block**
11. **Ground Lugs**
12. **HOA Switches** for manual pump control (mounted on circuit board).
13. **Control ON/OFF Switch** (mounted on circuit board).

NOTE: Schematic/Wiring Diagram is located inside the panel on enclosure cover.



Model Shown 3221W511X



STANDARD ALARM PACKAGE

14. **Red Alarm Beacon** provides 360° visual check of alarm condition.
15. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).
16. **Exterior Alarm Test/Normal/Silence Switch** allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition is cleared.
17. **Horn Silence Relay** (mounted on circuit board).

NOTE: other options available.

FEATURES

- Entire control system (panel and switches) is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Standard package includes three 20' SignalMaster® control switches
- Complete with step-by-step installation instructions
- Three-year limited warranty

SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

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322**W****MODEL 322**

\$1850.00

ALARM PACKAGE

- ☐ 0 = select options or no alarm package..... - \$35.00
- ☐ 1 = alarm package (includes test/normal/silence switch, fuse, red light, & horn)..... Base

ENCLOSURE RATING

- ☒ W = Weatherproof, NEMA 4X (engineered thermoplastic)..... Base

PUMP FULL LOAD AMPS**208/240/480V**

- ☐ 001 = 1.0-1.6 FLA
- ☐ 101 = 1.6-2.5 FLA
- ☐ 201 = 2.5-4.0 FLA
- ☐ 301 = 4.0-6.3 FLA
- ☐ 401 = 6.0-10.0 FLA
- ☐ 511 = 9.0-14.0 FLA
- ☐ 611 = 13.0-18.0 FLA
- ☐ 621 = 17.0-23.0 FLA
- ☐ 701 = 20.0-25.0 FLA

600V

- ☐ 005 = 1.0-1.6 FLA..... Base
- ☐ 105 = 1.6-2.5 FLA..... Base
- ☐ 205 = 2.5-4.0 FLA..... Base
- ☐ 305 = 4.0-6.3 FLA..... Base
- ☐ 405 = 6.0-10.0 FLA..... Base
- ☐ 515 = 9.0-14.0 FLA..... \$60.00
- ☐ 615 = 13.0-18.0 FLA..... \$60.00
- ☐ 625 = 17.0-23.0 FLA..... \$80.00
- ☐ 705 = 20.0-25.0 FLA..... \$80.00

FLOAT SWITCH APPLICATION

- ☐ H or L = pump down or pump up (select 17 option)..... Base
- ☐ X = no floats..... - \$75.00

OPTIONS Listed below

ENCLOSURE UPSIZE - If you selected one or more of the ★ options, add a one-time \$50.00 list enclosure upsize

Total Options

Enclosure Upsize

CODE	DESCRIPTION	LIST PRICE	CODE	DESCRIPTION	TOTAL LIST PRICE	LIST PRICE
<input type="checkbox"/>	1A Red beacon only / no audio.....	\$20.00	<input type="checkbox"/>	11D NEMA 4X alarm panel (select option 6A)	\$250.00	
<input type="checkbox"/>	1C Horn only / no visual.....	\$20.00	<input type="checkbox"/>	★14B Main disconnect (rotary style, mounted through door, non-fused)		
<input type="checkbox"/>	3A Alarm flasher	\$35.00	<input type="checkbox"/>	★ 0-10 FLA (total of both pumps)	\$285.00	
<input type="checkbox"/>	3B Manual alarm reset.....	\$90.00	<input type="checkbox"/>	★ 10-20 FLA (total of both pumps)	\$325.00	
<input type="checkbox"/>	★ 4A Redundant off	\$40.00	<input type="checkbox"/>	★ 20-50 FLA (total of both pumps)	\$680.00	
	(select option 4D if floats included)		<input type="checkbox"/>	16A 10' cord in lieu of 20' (per float)	\$2.00	
<input type="checkbox"/>	4B Red redundant off indicator & alarm.....	\$60.00	<input type="checkbox"/>	16B 15' cord in lieu of 20' (per float)	\$1.00	
	(must select 4A also)		<input type="checkbox"/>	16C 30' cord in lieu of 20' (per float)	\$5.00	
<input type="checkbox"/>	4D Redundant off float		<input type="checkbox"/>	16D 40' cord in lieu of 20' (per float)	\$15.00	
	(must select 4A option) (select 17 option)	\$25.00	<input type="checkbox"/>	17A SJE SignalMaster® / pipe clamp ● (per float)	\$2.00	
<input type="checkbox"/>	★ 5A Thermal cutout/heat sensor auto	\$80.00	<input type="checkbox"/>	17B SJE SignalMaster® / externally weighted ● (per float)	\$5.00	
	reset (for pumps w/thermal switch leads)		<input type="checkbox"/>	17C Sensor Float® / internally weighted ▲ (per float)	\$5.00	
<input type="checkbox"/>	★ 5 E Seal failure circuit & red indicator	\$315.00	<input type="checkbox"/>	17D Sensor Float® / externally weighted ▲ (per float)	\$7.00	
	(2 wire)		<input type="checkbox"/>	17E Sensor Float® Mini / pipe clamp ▲ (per float)	\$2.00	
<input type="checkbox"/>	6A Auxiliary alarm contact, form C	\$15.00	<input type="checkbox"/>	17F Sensor Float® Mini / externally weighted ▲ (per float)	\$5.00	
<input type="checkbox"/>	8A Elapsed time meter	\$110.00	<input type="checkbox"/>	17J Sensor Float® / pipe clamp ▲ (per float)	\$0.00	
<input type="checkbox"/>	★ 8C Event (cycle) counter.....	\$90.00	<input type="checkbox"/>	19B Lead lag selector switch	\$15.00	
<input type="checkbox"/>	*10A Clear inner swing-out door w/dead	\$190.00	<input type="checkbox"/>	19F Fourth float to separate alarm function from lag.....	\$25.00	
	front (lights and switches mounted on inner door)		<input type="checkbox"/>	19T TOA (Test/Off/Automatic) switches and pump run lights		
	*Panels ordered with this option cannot be returned.		<input type="checkbox"/>	through door mounted	\$160.00	
<input type="checkbox"/>	10E Lockable latch	\$40.00	<input type="checkbox"/>	19U HOA (Hand/Off/Automatic) switches and pump run lights		
<input type="checkbox"/>	10G Lightning arrestor	\$200.00	<input type="checkbox"/>	through door mounted	\$150.00	
<input type="checkbox"/>	10K Anti-condensation heater	\$125.00	<input type="checkbox"/>	19X Door mounted pump run indicator	\$40.00	
<input type="checkbox"/>	11C NEMA 1 alarm panel (select option 6A)	\$80.00				

● Mechanically-activated ▲ Mercury-activated

If additional features are required, call the factory for a quote on an Engineered Custom control panel.

SAMPLE**MODEL****322****1****W****401****H****8AC 17A**

Alarm Package

Enclosure Rating

Pump Full Load Amps

Float Switch Application

Options: Elapsed Time Meter, Event (cycle) Counter,

SJE SignalMaster® / pipe clamp

322 See List Price

1 Base

W Base

401 Base

H Base

8A \$110.00

8C \$90.00

17A \$6.00

Enclosure Upsize \$50.00

TOTAL LIST PRICE \$XXXX.XX

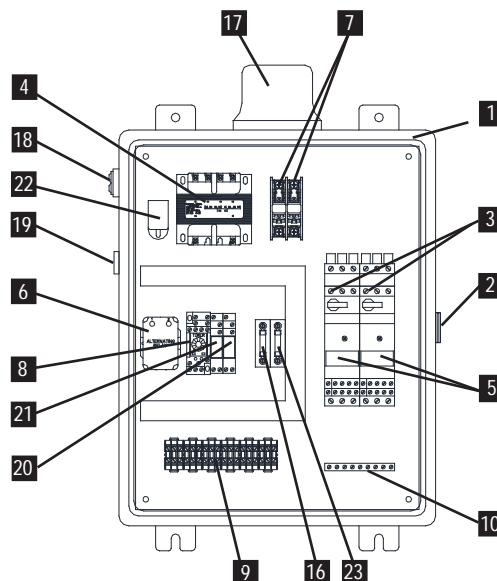
MODEL 32S Control Panel

Three phase, duplex alternating pump control with override. Simply add the appropriate overload modules.

The Model 32S control panel is designed to alternately control two three phase pumps in industrial and commercial water and sewage systems using standard 4 float operation (off, lead start, lag start, high level). The alternating action equalizes pump wear. In addition to alternating pump control, this system provides time delayed override control should either pump fail. This panel also provides seal fail indicators, thermal cutout and elapsed time meters for each pump. If a high water alarm condition occurs, the alarm switch activates the audio/visual alarm system along with auxiliary contacts for remote alarm. Common applications include lift stations, pump chambers, and irrigation systems.

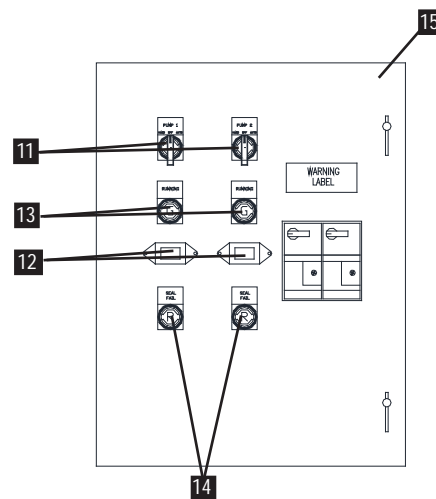
PANEL COMPONENTS

1. **Enclosure** measures 20"x16"x8" (50.8x40.6x20.3 cm) TYPE 4X stainless steel with mounting feet (for outdoor or indoor use).
2. **Padlockable Latch** provides added safety.
3. **IEC HP Rated Motor Starters** perform contactor/circuit-breaker function, up to 32 FLA (requires separate overload modules). Provides location for field wiring of incoming power and pumps.
4. **Multi-tap Transformer** (208/230/460 VAC primary) provides 120 VAC control/alarm voltage.
5. **Class 10 Ambient Overload Modules (purchased separately)** provide overload-short circuit, phase failure-phase imbalance and ground fault protection (equipment protection only); accessible through inner door (two overload modules required, field installation required).
6. **Alternating Relay** provides pump alternation.
7. **Fuses (primary fuse transformer)** provide over current protection for transformer.
8. **Timing Relay** provides time delay for lag pump operation.
9. **Terminal Block** provides location for field wiring of floats, auxiliary alarm contact, seal fail and thermal cutout for each pump.
10. **Ground Bar** provides location for field wiring ground wires incoming power and pumps.
11. **Hand/Off/Auto Switches** for manual pump control (mounted on inner door).
12. **Elapsed Time Meters** provide time monitoring of pump operation (mounted on inner door).
13. **Green Pump Run Indicator Lights** identify pump called to run condition (mounted on inner door).
14. **Red Seal Fail Indicator Lights** identify pump seal fail (mounted on inner door).
15. **Inner Door** provides a degree of safety for panel operation.



STANDARD ALARM PACKAGE

17. **Red Alarm Beacon** provides 360 degree visual check of alarm condition.
18. **Alarm Horn** provides audio warning of alarm condition (95 decibel rating).
19. **Exterior Test/Normal/Silence Switch** allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition is cleared.
20. **Horn Silence Relay** (allows horn to be silenced while alarm condition is still in occurrence).
21. **Auxiliary Alarm Relay** provides normally open contacts for activation of remote devices during high water condition.
22. **Alarm Flasher** provides a flashing alarm light during high water alarm condition.
23. **Alarm Fuse**



Inner Door



FEATURES

- Control panel is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Complete with step-by-step installation instructions
- Three-year limited warranty

SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

SJE Rhombus

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www.sjerhombus.com

32S**1****S****000****X****3A5AY6A8A10AE19X****MODEL 32S**

\$4160.00

**ALARM PACKAGE**

1 = alarm package (includes test/normal/silence switch, fuse, red light, & horn) Base

**ENCLOSURE RATING**

S = Weatherproof, Type 4X (Stainless Steel) Base

PUMP FULL LOAD AMPS

000 = Amp range not specified - determined by overload module installed

**FLOAT SWITCH APPLICATION**

X = no floats Base

OPTIONS*described below***CODE DESCRIPTION**

3A Alarm flasher

5A Thermal cutout/heat sensor auto
reset (for pumps w/thermal switch leads)5Y Seal failure circuit & red indicator
(2 wire)

6A Auxiliary alarm contact, form C



8A Elapsed time meter

10A Aluminum inner swing-out door w/dead
front (lights and switches mounted on inner door)

10E Padlockable latch



19X Door mounted pump run indicator

Part Number	Description	List Price
1037461	32S1S000X3A5AY6A8A10AE19X	\$4160.00
1033805	OVERLOAD MODULE 1.25 - 5.0 FLA	\$100.00
1023500	OVERLOAD MODULE 4.5 - 18.0 FLA	\$100.00
1033806	OVERLOAD MODULE 8.0 - 32.0 FLA	\$100.00
1036418	LIGHTNING ARRESTOR	\$120.00

Note: Each panel requires two overload modules. Field installation required.

If additional features are required, call the factory for a quote on an Engineered Custom control panel.

MODEL SGS Control Panel

Single phase, simplex sewage grinder motor contactor control.

The Model SGS (sewage grinder system) control panel provides a reliable means of controlling one 120/208/240V single phase pump. This panel, designed for water and sewage applications, controls pumps of 2 HP or less requiring external starting components.

PANEL COMPONENTS

1. **Enclosure** measures 12 x 10 x 6 inches (30.48 x 25.40 x 15.24 cm). Choice of NEMA 1 (steel for indoor use), or NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use).
2. **IEC Motor Contactor** controls pump by switching electrical lines.
3. **HOA Switch** for manual pump control (mounted on circuit board).
4. **Green Pump Run Indicator Light** (mounted on circuit board).
5. **Float Switch Terminal Block** (mounted on circuit board).
6. **Alarm / Control Fuses** (mounted on circuit board).
7. **Alarm and Control Power Indicators** (mounted on circuit board).
8. **Pump Connection Terminal Block**
9. **Ground Lug**
10. **Overload Relay** (optional) provides pump overload protection.
11. **Circuit Breaker** provides pump disconnect and branch circuit protection.
12. ***Run Capacitor**
13. ***Start Relay**
14. ***Start Capacitor**

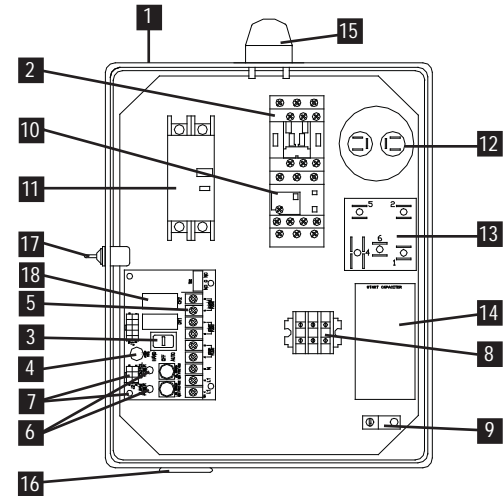
**Start/Run components supplied for certain pump models, please call factory to verify your pump model at 1-888-DIAL-SJE (1-888-342-5753).*

STANDARD ALARM PACKAGE

15. **Red Alarm Beacon** provides 360° visual check of alarm condition.
NOTE: NEMA 1 style utilizes a door mounted indicator in lieu of a beacon.
16. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).
NOTE: NEMA 1 style utilizes an internally mounted buzzer in lieu of horn.
17. **Exterior Alarm Test/Normal/Silence Switch** allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition is cleared.
18. **Horn Silence Relay** (mounted on circuit board).

NOTE: other options available.

Model SGS control panels cannot be returned. Please refer to the Product Return section.



Model Shown SGS1W114X

FEATURES

- Entire control system (panel and switches) is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Standard package includes three 20' SJE SignalMaster® control switches
- Complete with step-by-step installation instructions
- Three-year limited warranty. This express warranty does not apply to motor start kit component. SJE-Rhombus makes no warranties of any type with respect to the motor start kit.



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SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

SGS

1

4

MODEL SGS

\$866.00

ALARM PACKAGE

- ☐ 0 = select options or no alarm package..... - \$55.00
- ☐ 1 = alarm package (includes test/normal/silence switch, fuse, red light, horn & float) Base

ENCLOSURE RATING

- ☐ I = Indoor, NEMA 1 (metal).....-\$50.00
- ☐ W = Weatherproof, NEMA 4X (engineered thermoplastic) Base

STARTING DEVICE

- ☒ 1 = magnetic motor contactor 120/208/240V Base

PUMP FULL LOAD AMPS

- ☐ 0 = 0-7 FLA..... Base
- ☐ 1 = 7-15 FLA..... Base
- ☐ 2 = 15-20 FLA..... Base

PUMP DISCONNECTS

- ☒ 4 = circuit breaker Base

FLOAT SWITCH APPLICATION

- ☐ H or L = pump down or pump up (select 17 option) Base
- ☐ X = no floats
- WITH alarm package.....-\$75.00
- WITHOUT alarm package-\$50.00

OPTIONS *Listed below*

*Includes motor capacitor start/run components for certain pump models.

Call factory at 1-800-RHOMBUS (1-800-746-6287) to verify your pump model prior to quoting.

Total Options

TOTAL LIST PRICE

CODE	DESCRIPTION	LIST PRICE	CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/> 1A	Red beacon only / no audio.....	\$10.00	<input type="checkbox"/> 12C	Motor start components mounted and supplied by SJE-Rhombus.....	Call for option code
<input type="checkbox"/> 1C	Horn only / no visual.....	\$15.00	<input type="checkbox"/> 16A	10' cord in lieu of 20' (per float)	-\$2.00
<input type="checkbox"/> 1E	Alarm float.....	\$25.00	<input type="checkbox"/> 16B	15' cord in lieu of 20' (per float)	-\$1.00
<input type="checkbox"/> 5A	Thermal cutout/heat sensor auto reset.....	\$10.00	<input type="checkbox"/> 16C	30' cord in lieu of 20' (per float)	\$5.00
	(for pumps with thermal switch leads)		<input type="checkbox"/> 16D	40' cord in lieu of 20' (per float)	\$15.00
<input type="checkbox"/> 5Y	Seal leak indicator (two wire probe)	\$35.00	<input type="checkbox"/> 17A	SJE SignalMaster® / mounting strap ● (per float)	-\$2.00
<input type="checkbox"/> 5Z	Seal leak indicator (single wire probe)	\$30.00	<input type="checkbox"/> 17B	SJE SignalMaster® / externally weighted ● (per float)	\$5.00
<input type="checkbox"/> 6A	Auxiliary alarm contact, form C	\$15.00	<input type="checkbox"/> 17C	Sensor Float® / internally weighted ▲ (per float)	\$5.00
<input type="checkbox"/> 9_A	Pump overload		<input type="checkbox"/> 17D	Sensor Float® / externally weighted ▲ (per float)	\$7.00
	specify amperage after number 9 followed by letter "A". ...		<input type="checkbox"/> 17E	Sensor Float® Mini / pipe clamp ▲ (per float)	-\$2.00
	Example: 912A = 12 amp pump.		<input type="checkbox"/> 17F	Sensor Float® Mini / externally weighted ▲ (per float)	\$5.00
<input type="checkbox"/> 0-16 FLA.....		\$40.00	<input type="checkbox"/> 17J	Sensor Float® / pipe clamp ▲ (per float)	\$0.00
<input type="checkbox"/> 16-20 FLA.....		\$50.00	<input type="checkbox"/> 19X	Door mounted pump run indicator	\$30.00
<input type="checkbox"/> 10E	Lockable latch	\$40.00	<input type="checkbox"/> 21A	SJE PumpMaster® in lieu of on/off switches ●	-\$10.00
<input type="checkbox"/> 11C	NEMA 1 alarm panel (must select option 6A).....	\$80.00	<input type="checkbox"/> 21B	SJE PumpMaster® Plus in lieu of on/off switches ●	\$16.00
<input type="checkbox"/> 11D	NEMA 4X alarm panel (must select option 6A)	\$250.00	<input type="checkbox"/> 21C	Super Single® in lieu of on/off switches ▲	\$16.00
			<input type="checkbox"/> 21D	Double Float® in lieu of on/off switches ▲	\$30.00

● Mechanically-activated ▲ Mercury-activated

*If additional features are required, call the factory for a quote on an Engineered Custom control panel.***SAMPLE**

MODEL

Alarm Package.....

Enclosure Rating.....

Starting Device.....

Pump Full Load Amps.....

Pump Disconnect.....

Float Switch Application.....

Options: Beacon Only, Thermal Cutout, Pump Overload, Lockable Latch

SGS See List Price

0-\$55.00

W Base

1 Base

1 Base

4 Base

X-\$75.00

1A\$10.00

5A\$10.00

912A\$40.00

10E\$40.00

TOTAL LIST PRICE \$XXX.XX

MODEL 113 Control Panel

Single phase, simplex capacitor start/run pump control.

Model 113 control panels provide a reliable means of controlling one 120, 208, or 240 VAC single phase pump requiring external starting components in water and sewage installations. Two control switches activate an IEC motor contactor to turn the pump on and off. If an alarm condition occurs, an additional alarm switch activates the audio/visual alarm system. Common applications include pump chambers and lift stations.

PANEL COMPONENTS

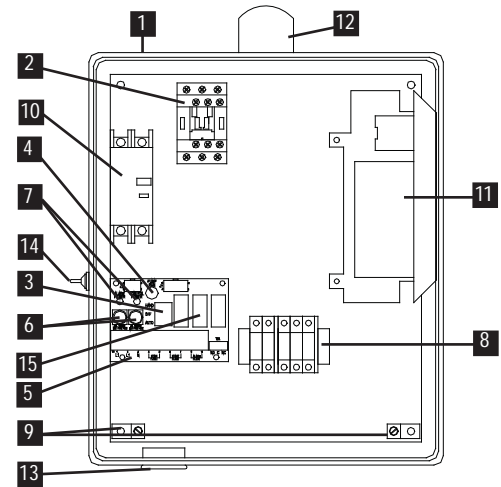
1. **Enclosure** measures 14 x 12 x 6 inches (35.56 X 30.48 X 15.24 cm). NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use).
* Options selected may increase enclosure size and change component layout.
2. **IEC Motor Contactor** controls pump by switching electrical lines.
3. **HOA Switch** for manual pump control (mounted on circuit board).
4. **Green Pump Run Indicator Light** (mounted on circuit board).
5. **Float Switch Terminal Block** (mounted on circuit board).
6. **Alarm and Control Fuses** (mounted on circuit board).
7. **Alarm and Control Power Indicators** (mounted on circuit board).
8. **Pump Input Power and Pump Connection Terminal Block**
9. **Ground Lugs**
10. **Circuit Breaker** (optional) provides pump disconnect and branch circuit protection.
11. **Capacitor Start Module** - start/run capacitor kit must be ordered separately.

STANDARD ALARM PACKAGE

12. **Red Alarm Beacon** provides 360° visual check of alarm condition.
13. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).
14. **Exterior Alarm Test/Normal/Silence Switch** allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition is cleared.
15. **Horn Silence Relay** (mounted on circuit board).

NOTE: other options available.

Model 113 control panels cannot be returned. Please refer to the Product Return section.



Model Shown 1131W124X

FEATURES

- Entire control system (panel and switches) is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Standard package includes three 20' SJE SignalMaster® control switches
- Complete with step-by-step installation instructions
- Three-year limited warranty



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SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

113		W	1					
MODEL 113								\$769.00
ALARM PACKAGE								
<input type="checkbox"/>	0 = select options or no alarm package.....							- \$35.00
<input type="checkbox"/>	1 = alarm package (includes test/normal/silence switch, fuse, red light, horn & float)							Base
ENCLOSURE RATING								
<input checked="" type="checkbox"/>	W = Weatherproof, NEMA 4X (engineered thermoplastic)							Base
STARTING DEVICE								
<input checked="" type="checkbox"/>	1 = IEC motor contactor 120/208/240V							Base
PUMP FULL LOAD AMPS								
<input type="checkbox"/>	0 = 0-7 FLA.....							Base
<input type="checkbox"/>	1 = 7-15 FLA.....							Base
<input type="checkbox"/>	2 = 15-20 FLA.....							Base
<input type="checkbox"/>	3 = 20-30 FLA.....							\$30.00
<input type="checkbox"/>	4 = 30-40 FLA.....							\$50.00
PUMP DISCONNECTS								
<input type="checkbox"/>	0 = no pump disconnect							Base
<input type="checkbox"/>	4 = circuit breaker							\$ 70.00
FLOAT SWITCH APPLICATION								
<input type="checkbox"/>	H or L = pump down or pump up (select 17 option)							Base
<input type="checkbox"/>	X = no floats							
	WITH alarm package.....							- \$75.00
	WITHOUT alarm package.....							- \$50.00

OPTIONS *Listed below*

Start/run capacitor kits must be ordered separately (see option 12 below or call factory)

Total Options

CODE	DESCRIPTION	LIST PRICE	CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/> 1A	Red beacon only / no audio..... (must select 1E if floats included)	\$15.00	<input type="checkbox"/> 12B	Customer supplied motor start components, mounted in enclosure by SJE-Rhombus.....	\$110.00
<input type="checkbox"/> 1C	Horn only / no visual..... (must select 1E if floats included)	\$15.00	<input type="checkbox"/> 12C	Motor start component, mounted and supplied by SJE-Rhombus.....	Call Factory
<input type="checkbox"/> 1E	Alarm float	\$25.00	<input type="checkbox"/> 14B	Main disconnect (rotary style, mounted through door, non-fused)	
<input type="checkbox"/> 3A	Alarm flasher	\$45.00	<input type="checkbox"/>	0-20 FLA	\$450.00
<input type="checkbox"/> 3B	Manual alarm reset.....	\$90.00	<input type="checkbox"/>	20-40 FLA.....	\$480.00
<input type="checkbox"/> 4A	Redundant off	\$55.00	<input type="checkbox"/>	16A 10' cord in lieu of 20' (per float)	- \$2.00
	(select option 4D if floats included)		<input type="checkbox"/>	16B 15' cord in lieu of 20' (per float)	- \$1.00
<input type="checkbox"/> 4B	Red redundant off indicator & alarm..... (must select 4A also)	\$60.00	<input type="checkbox"/>	16C 30' cord in lieu of 20' (per float)	\$5.00
<input type="checkbox"/> 4D	Redundant off float		<input type="checkbox"/>	16D 40' cord in lieu of 20' (per float)	\$15.00
	(must select 4A option) (select 17 option)	\$25.00	<input type="checkbox"/>	17A SJE SignalMaster® / mounting strap ● (per float)	- \$2.00
<input type="checkbox"/> 5A	Thermal cutout/heat sensor auto reset..... (for pumps with thermal switch leads)	\$40.00	<input type="checkbox"/> 17B	SJE SignalMaster® / externally weighted ● (per float)	\$5.00
<input type="checkbox"/> 5E	Seal fail circuit and indicator (2 wire).....	\$160.00	<input type="checkbox"/> 17C	Sensor Float® / internally weighted ▲ (per float)	\$5.00
<input type="checkbox"/> 6A	Auxiliary alarm contact, form C	\$15.00	<input type="checkbox"/> 17D	Sensor Float® / externally weighted ▲ (per float)	\$7.00
<input type="checkbox"/> 8A	Elapsed time meter	\$75.00	<input type="checkbox"/> 17E	Sensor Float® Mini / pipe clamp ▲ (per float)	- \$2.00
<input type="checkbox"/> 8C	Event (cycle) counter.....	\$65.00	<input type="checkbox"/> 17F	Sensor Float® Mini / externally weighted ▲ (per float)	\$5.00
<input type="checkbox"/> 9_A	Pump overload		<input type="checkbox"/> 17J	Sensor Float® / internally pipe clamp ▲ (per float)	\$0.00
	specify amperage after number 9 followed by letter "A". Example: 912A = 12 amp pump.		<input type="checkbox"/> 19T	TOA (Test/Off/Automatic) switch and pump run light through door mounted	\$75.00
<input type="checkbox"/>	0-30 FLA.....	\$60.00	<input type="checkbox"/> 19U	HOA (Hand/Off/Automatic) switch and pump run light through door mounted	\$60.00
<input type="checkbox"/>	30-40 FLA.....	\$100.00	<input type="checkbox"/> 19X	Door mounted pump run indicator	\$30.00
<input type="checkbox"/> 10E	Lockable latch	\$40.00	<input type="checkbox"/> 21A	SJE PumpMaster® in lieu of on/off switches ●	- \$10.00
<input type="checkbox"/> 10F	Lightning arrestor (select pump circuit breaker).....	\$230.00	<input type="checkbox"/> 21B	SJE PumpMaster® Plus in lieu of on/off switches ●	\$16.00
<input type="checkbox"/> 10K	Anti-condensation heater	\$100.00	<input type="checkbox"/> 21C	Super Single® in lieu of on/off switches ▲	\$16.00
<input type="checkbox"/> 11C	NEMA 1 alarm panel (must select option 6A)	\$80.00	<input type="checkbox"/> 21D	Double Float® in lieu of on/off switches ▲	\$30.00
<input type="checkbox"/> 11D	NEMA 4X alarm panel (must select option 6A)	\$250.00		● Mechanically-activated ▲ Mercury-activated	

If additional features are required, call the factory for a quote on an Engineered Custom control panel.

SAMPLE

MODEL	113	1	W	1	1	4	H	912A	12B	17A	
Alarm Package											113 See List Price
Enclosure Rating											1 Base
Starting Device											W Base
Pump Full Load Amps											1 Base
Pump Disconnect											1 Base
Float Switch Application											4 \$70.00
Options: Pump Overload, Motor Start Components											H Base
Supplied by Customer, SJE SignalMaster® / pipe clamp											912A \$60.00
											12B \$110.00
											17A \$6.00
											TOTAL LIST PRICE \$XXX.XX

MODEL 123 Control Panel

Single phase, duplex capacitor start/run pump control with override.

Model 123 control panels are designed to alternately control two 120, 208, or 240 VAC single phase pumps requiring external starting components in water and sewage installations. The alternating action equalizes pump wear. In addition to the alternating pump control, these systems provide override control should either pump fail. If an alarm condition occurs, an alarm switch activates the audio/visual alarm system. Common applications include pump chambers and lift stations.

PANEL COMPONENTS

1. **Enclosure** measures 16 X 14 X 6 inches (40.64 X 35.56 X 15.24 cm); NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use). **Note:** Options selected may increase enclosure size and change component layout.
2. **IEC Motor Contactors** control pumps by switching electrical lines.
3. **HOA Switches** for manual pump control (mounted on circuit board).
4. **Alternating Circuit Board** provides pump control and alternation (U.S. Patent 5,909,352).
5. **Green pump Run Indicator Lights** (mounted on circuit board).
6. **Incoming Pump Power Terminal Block / Pump Terminal Block**
7. **Circuit Breakers** (optional) provide pump disconnect and branch circuit protection.
8. **Control ON/OFF Switch** (mounted on circuit board).
9. **Ground Lugs**
10. **Float Status Indicator Lights** (mounted on circuit board).
11. **Control / Alarm Power Indicator Light** (mounted on circuit board).
12. **Capacitor Start Modules** - start/run capacitor kits must be ordered separately.

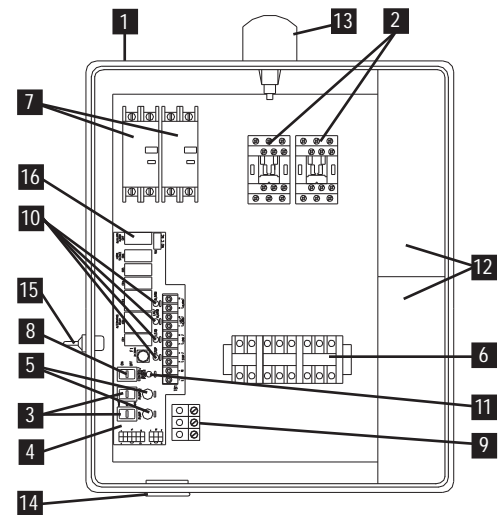
NOTE: Schematic/Wiring Diagram is located inside the panel on enclosure cover.

STANDARD ALARM PACKAGE

13. **Red Alarm Beacon** provides 360° visual check of alarm condition.
14. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).
15. **Exterior Alarm Test/Normal/Silence Switch** allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition is cleared.
16. **Horn Silence Relay** (mounted on circuit board).

NOTE: other options available.

Model 123 control panels cannot be returned. Please refer to the Product Return section.



Model Shown 1231W124X

FEATURES

- Entire control system (panel and switches) is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Standard package includes three 20' SJE SignalMaster® control switches
- Complete with step-by-step installation instructions
- Three-year limited warranty



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SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

123

W

1

MODEL 123

\$1160

ALARM PACKAGE

- ☐ 0 = select options or no alarm package - \$35.00
- ☐ 1 = alarm package (includes test/normal/silence switch, fuse, red light, horn) Base

ENCLOSURE RATING

- ☒ W = Weatherproof, NEMA 4X (engineered thermoplastic) Base

STARTING DEVICE

- ☒ 1 = IEC motor contactor 120/208/240V Base

PUMP FULL LOAD AMPS

- ☐ 0 = 0-7 FLA Base
- ☐ 1 = 7-15 FLA Base
- ☐ 2 = 15-20 FLA Base
- ☐ 3 = 20-30 FLA \$80.00
- ☐ 4 = 30-40 FLA \$120.00

PUMP DISCONNECTS

- ☐ 0 = no pump disconnect Base
- ☐ 4 = circuit breaker \$140.00

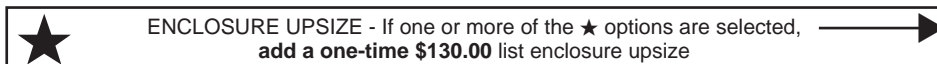
FLOAT SWITCH APPLICATION

- ☐ H or L = pump down or pump up (select 17 option) Base
- ☐ X = no floats -\$75.00

OPTIONS *Listed below*

Start/run capacitor kits must be ordered separately (see option 12 below or call factory).

Total Options



Enclosure Upsize

TOTAL LIST PRICE

CODE	DESCRIPTION	LIST PRICE	CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/> 1A	Red beacon only / no audio.....	\$20.00	<input type="checkbox"/> 12B	Customer supplied motor start components, mounted in enclosure by SJE-Rhombus.....	\$110.00
<input type="checkbox"/> 1C	Horn only / no visual.....	\$20.00	<input type="checkbox"/> 12C	Motor start component, mounted and supplied by SJE-Rhombus.....	Call Factory
<input type="checkbox"/> 3A	Alarm flasher.....	\$35.00	<input checked="" type="checkbox"/> ★ 14B	Main disconnect (rotary style, mounted through door, non-fused) (must select pump circuit breakers)	
<input type="checkbox"/> 3B	Manual alarm reset.....	\$90.00	<input type="checkbox"/> ★ 0-20 FLA.....		\$320.00
<input type="checkbox"/> ★ 4A	Redundant off.....	\$40.00	<input type="checkbox"/> ★ 20-80 FLA.....		\$360.00
	(select option 4D if floats included)		<input type="checkbox"/> 16A	10' cord in lieu of 20' (per float).....	- \$2.00
<input type="checkbox"/> 4B	Red redundant off indicator & alarm.....	\$60.00	<input type="checkbox"/> 16B	15' cord in lieu of 20' (per float).....	- \$1.00
	(must select 4A also)		<input type="checkbox"/> 16C	30' cord in lieu of 20' (per float).....	\$5.00
<input type="checkbox"/> 4D	Redundant off float (must select 4A & 17 option).....	\$25.00	<input type="checkbox"/> 16D	40' cord in lieu of 20' (per float).....	\$15.00
<input type="checkbox"/> ★ 5A	Thermal cutout/heat sensor auto reset.....	\$80.00	<input type="checkbox"/> 17A	SJE SignalMaster® / pipe clamp ● (per float).....	- \$2.00
	(for pumps with thermal switch leads)		<input type="checkbox"/> 17B	SJE SignalMaster® / externally weighted ● (per float).....	\$5.00
<input type="checkbox"/> ★ 5 E	Seal fail circuit and indicator (2 wire).....	\$315.00	<input type="checkbox"/> 17C	Sensor Float® / internally weighted ▲ (per float).....	\$5.00
<input type="checkbox"/> 6A	Auxiliary alarm contact, form C.....	\$15.00	<input type="checkbox"/> 17D	Sensor Float® / externally weighted ▲ (per float).....	\$7.00
<input checked="" type="checkbox"/> ★ 8A	Elapsed time meter.....	\$110.00	<input type="checkbox"/> 17E	Sensor Float® Mini / pipe clamp ▲ (per float).....	- \$2.00
<input checked="" type="checkbox"/> ★ 8C	Event (cycle) counter.....	\$90.00	<input type="checkbox"/> 17F	Sensor Float® Mini / externally weighted ▲ (per float).....	\$5.00
<input type="checkbox"/> 9_A	Pump overload		<input type="checkbox"/> 17J	Sensor Float® / pipe clamp ▲ (per float).....	\$0.00
	specify amperage after number 9 followed by letter "A". Example: 912A = 12 amp pump.		<input type="checkbox"/> 19B	Lead lag selector switch.....	\$15.00
<input type="checkbox"/> 0-30 FLA.....		\$120.00	<input type="checkbox"/> 19F	Fourth float to separate alarm from lag.....	\$25.00
<input type="checkbox"/> 30-40 FLA.....		\$200.00	<input type="checkbox"/> 19T	TOA (Test/Off/Automatic) switches and pump run lights through door mounted.....	\$160.00
<input type="checkbox"/> 10E	Lockable latch.....	\$40.00	<input type="checkbox"/> 19U	HOA (Hand/Off/Automatic) switches and pump run lights through door mounted.....	\$150.00
<input type="checkbox"/> ★ 10F	Lightning arrestor.....	\$230.00	<input type="checkbox"/> 19X	Door mounted pump run indicator.....	\$40.00
	(must select pump circuit breakers)			● Mechanically-activated ▲ Mercury-activated	
<input type="checkbox"/> 10K	Anti-condensation heater.....	\$100.00			
<input type="checkbox"/> 11C	NEMA 1 alarm panel (must select option 6A).....	\$80.00			
<input type="checkbox"/> 11D	NEMA 4X alarm panel (must select option 6A).....	\$250.00			

If additional features are required, call the factory for a quote on an Engineered Custom control panel.

SAMPLE

MODEL 123 1 W 1 1 4 H 5A 912A 12B 17A

Alarm Package.....

Enclosure Rating.....

Starting Device.....

Pump Full Load Amps.....

Pump Disconnect.....

Float Switch Application.....

Options: Thermal Cutout, Pump Overload, Motor Start Components Supplied by Customer, SJE SignalMaster® / pipe clamp

123 See List Price

1 Base

W Base

1 Base

1 Base

4 \$140.00

H Base

5A \$80.00

912A \$120.00

12B \$110.00

17A -\$6.00

Enclosure Upsize..... \$130.00

TOTAL LIST PRICE \$XXXX.XX

MODEL 114 Control Panel

Single phase, simplex pump control with intrinsically safe circuits.

The Model 114 control panel is designed for applications requiring intrinsically safe float circuits or other circuit extensions. This panel will control one 120, 208, or 240 VAC single phase pump. Two control switches activate a magnetic motor contactor to turn the pump on and off. If an alarm condition occurs, an additional alarm switch activates the audio/visual alarm system. Common applications include pump chambers, lift stations, or other installations classified as hazardous locations requiring intrinsically safe circuits.

PANEL COMPONENTS

1. **Enclosure** measures 16 x 14 x 6 inches (40.64 x 35.56 x 15.24 cm) NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use).
2. **Intrinsically Safe Module** limits the amount of energy to switches preventing ignition of flammable gases.
3. **Intrinsically Safe Partition** isolates the intrinsically safe wiring.
4. **IEC Motor Contactor** controls pump by switching electrical lines.
5. **HOA Switch** for manual pump control (mounted on circuit board).
6. **Green Pump Run Indicator Light** (mounted on circuit board).
7. **Alarm Fuse** (mounted on circuit board).
8. **Control Fuse** (mounted on circuit board).
9. **Control Power Indicator Light** (mounted on circuit board).
10. **Alarm Power Indicator Light** (mounted on circuit board).
11. **Input Power Terminal Block**
12. **Ground Lugs**
13. **Circuit Breaker** (optional) provides pump disconnect and branch circuit protection.
14. **Overload Relay** (optional) provides thermal overload protection for pump.

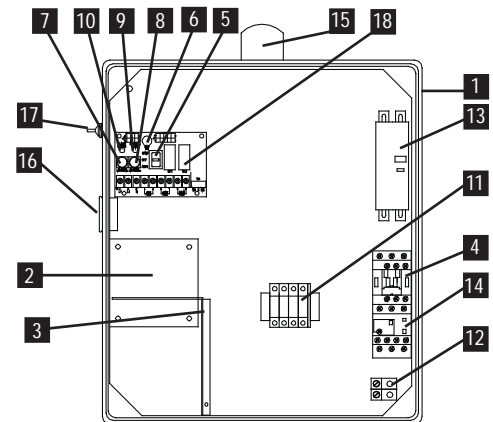
NOTE: Schematic/Wiring Diagram is located inside the panel on enclosure cover.

STANDARD ALARM PACKAGE

15. **Red Alarm Beacon** provides 360° visual check of alarm condition.
16. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).
17. **Exterior Alarm Test/Normal/Silence Switch** allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition is cleared.
18. **Horn Silence Relay** (mounted on circuit board).

NOTE: other options available.

Model 114 control panels cannot be returned. Please refer to the Product Return section.



Model Shown 1141W114X

FEATURES

- Industrial control panel is UL Listed relating to hazardous locations with intrinsically safe circuit extensions
- Dual safety certification for the United States and Canada
- Standard package includes three 20' SJE MilliAmpMaster™ control switches
- Complete with step-by-step installation instructions
- Three-year limited warranty



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SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

114

W

MODEL 114

\$1559.00

ALARM PACKAGE

- ☐ 0 = select options or no alarm package.....-\$35.00
- ☐ 1 = alarm package (includes test/normal/silence switch, fuse, red light, horn & float) Base

ENCLOSURE RATING

- ☒ W = Weatherproof, NEMA 4X (engineered thermoplastic)

STARTING DEVICE

- ☐ 1 = magnetic motor contactor 120/208/240V Base
- ☐ 9 = magnetic motor contactor 120V only Base

PUMP FULL LOAD AMPS

- ☐ 0 = 0-7 FLA Base
- ☐ 1 = 7-15 FLA Base
- ☐ 2 = 15-20 FLA Base
- ☐ 3 = 20-30 FLA \$30.00
- ☐ 4 = 30-40 FLA \$50.00

PUMP DISCONNECTS

- ☐ 0 = no pump disconnect Base
- ☐ 4 = circuit breaker 120V (select STARTING DEVICE option 9 above) \$35.00
- 120/208/240V (select STARTING DEVICE option 1 above) \$70.00

FLOAT SWITCH APPLICATION

- ☐ H or L = pump down or pump up (select 17 option) Base
- ☐ X = no floats
- WITH alarm package -\$75.00
- WITHOUT alarm package -\$50.00

OPTIONS *Listed below*

CODE	DESCRIPTION	LIST PRICE	CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/> 1A	Red beacon only / no audio.....	\$15.00	<input type="checkbox"/> 10A	Clear inner swing-out door w/dead front.....	\$170.00
	(must select 1E if floats included)			(lights and switches mounted on inner door)	
<input type="checkbox"/> 1C	Horn only / no visual.....	\$15.00	<input type="checkbox"/> 10E	Lockable latch.....	\$40.00
	(must select 1E if floats included)		<input type="checkbox"/> 10F	Lightning arrestor (must select pump circuit breaker).....	\$230.00
<input type="checkbox"/> 1E	Alarm float	\$25.00	<input type="checkbox"/> 10K	Anti-condensation heater.....	\$100.00
<input type="checkbox"/> 3A	Alarm flasher	\$45.00	<input type="checkbox"/> 11C	NEMA 1 alarm panel (must select option 6A).....	\$80.00
<input type="checkbox"/> 3B	Manual alarm reset.....	\$90.00	<input type="checkbox"/> 11D	NEMA 4X alarm panel (must select option 6A).....	\$250.00
<input type="checkbox"/> 3C	Red high / low indicator light & alarm activation (4A not needed).....	\$300.00	<input type="checkbox"/> 12B	Motor start components supplied by customer, mounted by SJE-Rhombus (18 x 16 enclosure upgrade).....	\$170.00
<input type="checkbox"/> 3D	Float for low indicator	\$25.00		by SJE-Rhombus (18 x 16 enclosure upgrade).....	Call Factory
	(must select option 3C)		<input type="checkbox"/> 12C	Motor start components mounted and supplied by SJE-Rhombus (18 x 16 enclosure upgrade).....	Call Factory
<input type="checkbox"/> 4A	Redundant off	\$55.00	<input type="checkbox"/> 14B	Disconnect (rotary style, mounted through door, non-fused)	
	(select option 4D if floats included, 3C not needed)		<input type="checkbox"/> 0-20 FLA.....		\$285.00
<input type="checkbox"/> 4B	Red redundant off indicator & alarm.....	\$240.00	<input type="checkbox"/> 20-40 FLA.....		\$325.00
	(must select 4A also)		<input type="checkbox"/> 16A	10' cord in lieu of 20' (per float)	- \$2.00
<input type="checkbox"/> 4D	Redundant off float (must select 4A & 17 option).....	\$25.00	<input type="checkbox"/> 16B	15' cord in lieu of 20' (per float)	- \$1.00
<input type="checkbox"/> 5A	Thermal cutout/heat sensor auto reset.....	\$40.00	<input type="checkbox"/> 16C	30' cord in lieu of 20' (per float)	\$5.00
	(for pumps with thermal switch leads)		<input type="checkbox"/> 16D	40' cord in lieu of 20' (per float)	\$15.00
<input type="checkbox"/> 5E	Seal failure circuit & red indicator (2 wire)	\$160.00	<input type="checkbox"/> 17C	Sensor Float® / internally weighted ▲ (per float)	\$5.00
<input type="checkbox"/> 5M	Seal fail alarm activation	\$40.00	<input type="checkbox"/> 17D	Sensor Float® / externally weighted ▲ (per float)	\$7.00
	(must select option 5E)		<input type="checkbox"/> 17G	MilliAmpMaster™ / pipe clamp ● (per float)	\$0.00
<input type="checkbox"/> 6A	Auxiliary alarm contact, form C	\$15.00	<input type="checkbox"/> 17H	MilliAmpMaster™ / externally weighted ● (per float)	\$7.00
<input type="checkbox"/> 6G	Auxiliary contact, dry, seal fail,	\$40.00	<input type="checkbox"/> 17J	Sensor Float® / pipe clamp ▲ (per float)	\$0.00
	normally open (must select option 5E)		<input type="checkbox"/> 19T	TOA (Test/Off/Automatic) switch and pump run light through door mounted	\$75.00
<input type="checkbox"/> 8A	Elapsed time meter	\$75.00	<input type="checkbox"/> 19U	HOA (Hand/Off/Automatic) switch and pump run light through door mounted	\$60.00
<input type="checkbox"/> 8C	Event (cycle) counter.....	\$65.00	<input type="checkbox"/> 19X	Door mounted pump run indicator	\$30.00
<input type="checkbox"/> 9_A	Overload protection specify amperage after number 9 followed by letter "A" (Ex. 912A = 12 amp pump)			● Mechanically-activated ▲ Mercury-activated	
<input type="checkbox"/> 0-25 FLA.....		\$60.00			
<input type="checkbox"/> 25-40 FLA.....		\$100.00			

If additional features are required, call the factory for a quote on an Engineered Custom control panel.

SAMPLE

MODEL 114 1 W 9 1 4 H 912A 17G

Alarm Package.....

Enclosure Rating.....

Starting Device.....

Pump Full Load Amps.....

Pump Disconnect.....

Float Switch Application.....

Options: Pump Overloads, SJE MilliAmpMaster™ / pipe clamp.....

114 See List Price

1 Base

W Base

9 Base

1 Base

4 \$35.00

H Base

912A \$60.00

17G \$0.00

TOTAL LIST PRICE \$XXXX.XX

MODEL 124 Control Panel

Single phase, duplex alternating pump control with intrinsically safe circuits.

The Model 124 control panel is designed for applications requiring intrinsically safe float circuits or other circuit extensions. This panel will alternately control two 120/208/240 VAC single phase pumps. The alternating action equalizes pump wear. In addition to the alternating pump control, this system provides override control should either pump fail. If an alarm condition occurs, an alarm switch activates the audio/visual alarm system. Common applications include pump chambers, lift stations, or other installations classified as hazardous locations requiring intrinsically safe circuits.

PANEL COMPONENTS

1. **Enclosure** measures 16 x 14 x 6 inches (40.64 x 35.56 x 15.24 cm) NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use). **Note:** Options selected may increase enclosure size and change component layout.
2. **Intrinsically Safe Module** limits the amount of energy to switches preventing ignition of flammable gasses.
3. **Intrinsically Safe Partition** isolates intrinsically safe wiring.
4. **IEC Motor Contactors** control pumps by switching electrical lines.
5. **HOA Switches** for manual pump control (mounted on circuit board).
6. **Alternating Control Circuit Board** provides pump control and alternation. (U.S. patent 5,909,352).
7. **Green Pump Run Indicator Lights** (mounted on circuit board).
8. **Float Status Indicator Lights** (mounted on circuit board).
9. **Input Power Terminal Block**
10. **Ground Lugs**
11. **Control ON/OFF Switch** (mounted on circuit board).
12. **Control/Alarm Power Indicator Light** (mounted on circuit board).
13. **Circuit Breakers** (optional) provide pump disconnect and branch circuit protection.
14. **Adjustable Overloads** (optional) provide thermal overload protection for pump.

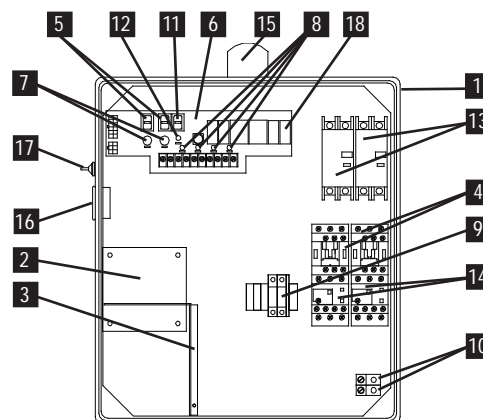
NOTE: Schematic/Wiring diagram is located inside the panel on enclosure cover.

STANDARD ALARM PACKAGE

15. **Red Alarm Beacon** provides 360° visual check of alarm condition.
16. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).
17. **Exterior Alarm Test/Normal/Silence Switch** allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition is cleared.
18. **Horn Silence Relay** (mounted on circuit board).

NOTE: other options available.

Model 124 control panels cannot be returned. Please refer to the Product Return section.



Model Shown 1241W114X

FEATURES

- Industrial control panel is UL Listed relating to hazardous locations with intrinsically safe circuit extensions
- Dual safety certification for the United States and Canada
- Standard package includes three 20' SJE MilliAmpMaster™ control switches
- Complete with step-by-step installation instructions
- Three-year limited warranty



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SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

124

W

MODEL 124

\$2092.00

ALARM PACKAGE

- ☐ 0 = select options or no alarm package - \$35.00
- ☐ 1 = alarm package (includes test/normal/silence switch, fuse, red light, & horn) Base

ENCLOSURE RATING

- ☒ W = Weatherproof, NEMA 4X (engineered thermoplastic) Base

STARTING DEVICE

- ☐ 1 = magnetic motor contactor 120/208/240V Base
- ☐ 9 = magnetic motor contactor 120V only Base

PUMP FULL LOAD AMPS

- ☐ 0 = 0-7 FLA Base
- ☐ 1 = 7-15 FLA Base
- ☐ 2 = 15-20 FLA Base
- ☐ 3 = 20-30 FLA \$ 80.00
- ☐ 4 = 30-40 FLA \$120.00

PUMP DISCONNECTS

- ☐ 0 = no pump disconnect Base
- ☐ 4 = circuit breaker 120V (select STARTING DEVICE option 9 above) \$ 70.00
- 120/208/240V (select STARTING DEVICE option 1 above) \$140.00

FLOAT SWITCH APPLICATION

- ☐ H or L = pump down or pump up (select option 17) Base
- ☐ X = no floats - \$75.00

OPTIONS *Listed below*

ENCLOSURE UPSIZE - If one or more of the ★ options are selected, add a one-time \$150.00 list enclosure upsize

Total Options
Enclosure Upsize
TOTAL LIST PRICE

CODE	DESCRIPTION	LIST PRICE	CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/> 1A	Red beacon only / no audio (must select "0" for alarm package)	\$20.00	<input type="checkbox"/> 10E	Lockable latch	\$40.00
<input type="checkbox"/> 1C	Horn only / no visual (must select "0" for alarm package)	\$20.00	<input type="checkbox"/> 10F	Lightning arrestor (must select pump circuit breaker).....	\$230.00
<input type="checkbox"/> 3A	Alarm flasher	\$35.00	<input type="checkbox"/> 10K	Anti-condensation heater	\$100.00
<input type="checkbox"/> 3B	Manual alarm reset	\$90.00	<input type="checkbox"/> 11C	NEMA 1 alarm panel (must select option 6A)	\$80.00
<input type="checkbox"/> ★ 3C	Red high / low indicator lights & alarm activation (4A not needed)	\$220.00	<input type="checkbox"/> 11D	NEMA 4X alarm panel (must select option 6A).....	\$250.00
<input type="checkbox"/> 3D	Float for low indicator (must select option 3C).....	\$25.00	<input type="checkbox"/> ★ 12B	Motor start components (supplied by customer, mounted by SJE-Rhombus)	\$455.00
<input type="checkbox"/> ★ 4A	Redundant off (select Option 4D if floats included, 3C not needed)	\$55.00	<input type="checkbox"/> ★ 12C	Motor start components (supplied and mounted by SJE-Rhombus)	Call Factory
<input type="checkbox"/> 4B	Red redundant off indicator & alarm (must select Option 4A also)	\$70.00	<input type="checkbox"/> ★ 14B	Main disconnect (rotary style, mounted through door, non-fused) (must select circuit breaker)	
<input type="checkbox"/> 4D	Redundant off float (must select 4A & 17 option)	\$25.00	<input type="checkbox"/> ★ 0-20 FLA (total of both pumps)		\$305.00
<input type="checkbox"/> 5A	Thermal cutout/heat sensor auto reset (for pumps with thermal switch leads)	\$80.00	<input type="checkbox"/> ★ 20-80 FLA (total of both pumps)		\$345.00
<input type="checkbox"/> 5 E	Seal fail circuit and indicator (2 wire)	\$315.00	<input type="checkbox"/> 16A	10' cord in lieu of 20' (per float)	- \$2.00
<input type="checkbox"/> ★ 5M	Seal fail alarm activation (must select option 5E)	\$60.00	<input type="checkbox"/> 16B	15' cord in lieu of 20' (per float)	- \$1.00
<input type="checkbox"/> 6A	Auxiliary alarm contact, form C	\$15.00	<input type="checkbox"/> 16C	30' cord in lieu of 20' (per float)	\$ 5.00
<input type="checkbox"/> ★ 6G	Auxiliary contact, seal fail, normally open (must select option 5E)	\$40.00	<input type="checkbox"/> 16D	40' cord in lieu of 20' (per float)	\$15.00
<input type="checkbox"/> ★ 8A	Elapsed time meter	\$110.00	<input type="checkbox"/> 17C	Sensor Float® / internally weighted ▲ (per float)	\$5.00
<input type="checkbox"/> ★ 8C	Event (cycle) counter	\$90.00	<input type="checkbox"/> 17D	Sensor Float® / externally weighted ▲ (per float)	\$7.00
<input type="checkbox"/> 9_A	Overload protection specify amperage after number 9 followed by letter "A" (ex. 912A = 12 amp pump)		<input type="checkbox"/> 17G	MilliAmpMaster™ / pipe clamp ● (per float)	\$0.00
<input type="checkbox"/> 0-25 FLA		\$120.00	<input type="checkbox"/> 17H	MilliAmpMaster™ / externally weighted ● (per float)	\$7.00
<input type="checkbox"/> 25-40 FLA		\$200.00	<input type="checkbox"/> 17J	Sensor Float® / pipe clamp ▲ (per float)	\$0.00
<input type="checkbox"/> 10A	Clear inner swing-out door w/dead front (lights and switches mounted on inner door)	\$190.00	<input type="checkbox"/> 19B	Lead lag selector switch	\$15.00
			<input type="checkbox"/> 19F	Fourth float to separate alarm function from lag	\$175.00
			<input type="checkbox"/> 19G	Panel wired to accept fourth control switch.....	\$150.00
			<input type="checkbox"/> 19T	TOA (Test/Off/Automatic) switches and pump run lights through door mounted	\$160.00
			<input type="checkbox"/> 19U	HOA (Hand/Off/Automatic) switches and pump run lights through door mounted	\$150.00
			<input type="checkbox"/> 19X	Door mounted pump run indicator	\$40.00

● Mechanically-activated ▲ Mercury-activated

If additional features are required, call factory for quote on an Engineered Custom control panel.

SAMPLE

MODEL 124 1 W 9 1 4 H 912A 17G

Alarm Package _____

Enclosure Rating _____

Starting Device _____

Pump Full Load Amps _____

Pump Disconnect _____

Float Switch Application _____

Options: Pump Overloads, SJE MilliAmpMaster™ / pipe clamp _____

124 See List Price

1 Base

W Base

9 Base

1 Base

4 \$70.00

H Base

912A \$120.00

17G \$0.00

TOTAL LIST PRICE \$XXXX.XX

MODEL 314 Control Panel

Three phase, simplex pump control with intrinsically safe circuits.

The Model 314 control panel is designed for applications requiring intrinsically safe float circuits or other circuit extensions. This panel will control one 208/240/480 VAC three phase pump. Two control switches activate a magnetic motor contactor to turn the pump on and off. If an alarm condition occurs, an additional alarm switch activates the audio/visual alarm system. Common applications include pump chambers, lift stations, or other installations classified as hazardous locations requiring intrinsically safe circuits.

PANEL COMPONENTS

1. **Enclosure** measures 16 x 14 x 6 inches (40.64 x 35.56 x 15.24 cm). NEMA 4X (ultraviolet stabilized thermoplastic with removable flanges for outdoor or indoor use).
2. **Intrinsically Safe Module** limits the amount of energy to switches preventing ignition of flammable gases.
3. **Intrinsically Safe Partition** isolates intrinsically safe wiring.
4. **Motor Protective Switch** provides adjustable overload, branch circuit protection and pump disconnect.
5. **IEC Motor Contactor** controls pump by switching electrical lines.
6. **HOA Switch** for manual pump control (mounted on circuit board).
7. **Multi-tap Transformer** (208/240/480 VAC primary) provides 120V control/ alarm voltage or 600VAC primary transformer.
8. **Green Pump Run Indicator Light** (mounted on circuit board).
9. **Alarm Fuse** (mounted on circuit board).
10. **Control Fuse** (mounted on circuit board).
11. **Input Power Terminal Block**
12. **Ground Lugs**
13. **Control Power Indicator Light** (mounted on circuit board).
14. **Alarm Power Indicator Light** (mounted on circuit board).

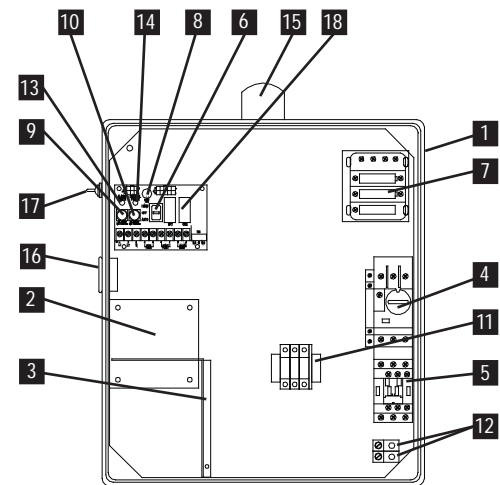
NOTE: Schematic/Wiring Diagram is located inside the panel on enclosure cover.

STANDARD ALARM PACKAGE

15. **Red Alarm Beacon** provides 360° visual check of alarm condition.
16. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).
17. **Exterior Alarm Test/Normal/Silence Switch** allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition is cleared.
18. **Horn Silence Relay** (mounted on circuit board).

NOTE: (other options available)

Model 314 control panels cannot be returned. Please refer to the Product Return section.



Model Shown 3141W511X

FEATURES

- Industrial control panel is UL Listed relating to hazardous locations with intrinsically safe circuit extensions
- Dual safety certification for the United States and Canada
- Standard package includes three 20' SJE MilliAmpMaster™ control switches
- Complete with step-by-step installation instructions
- Three-year limited warranty



**SJE
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SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

314

W

MODEL 314

\$2275.00

ALARM PACKAGE

- ☐ 0 = select options or no alarm package - \$35.00
- ☐ 1 = alarm package (includes test/normal/silence switch, fuse, red light, horn & float) Base

ENCLOSURE RATING

- ☒ W = Weatherproof, NEMA 4X (engineered thermoplastic) Base

PUMP FULL LOAD AMPS

208/240/480V

- ☐ 001 = 1.0-1.6 FLA
- ☐ 101 = 1.6-2.5 FLA
- ☐ 201 = 2.5-4.0 FLA
- ☐ 301 = 4.0-6.3 FLA
- ☐ 401 = 6.0-10.0 FLA
- ☐ 511 = 9.0-14.0 FLA
- ☐ 611 = 13.0-18.0 FLA
- ☐ 621 = 17.0-23.0 FLA
- ☐ 701 = 20.0-25.0 FLA

600V

- ☐ 005 = 1.0-1.6 FLA Base
- ☐ 105 = 1.6-2.5 FLA Base
- ☐ 205 = 2.5-4.0 FLA Base
- ☐ 305 = 4.0-6.3 FLA Base
- ☐ 405 = 6.0-10.0 FLA Base
- ☐ 515 = 9.0-14.0 FLA \$45.00
- ☐ 615 = 13.0-18.0 FLA \$45.00
- ☐ 625 = 17.0-23.0 FLA \$55.00
- ☐ 705 = 20.0-25.0 FLA \$55.00

FLOAT SWITCH APPLICATION

- ☐ H or L = pump down or pump up (select 17 option) Base
- ☐ X = no floats
- WITH alarm package - \$75.00
- WITHOUT alarm package - \$50.00

OPTIONS Listed below

CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/> 1A	Red beacon only / no audio (must select 1E if floats included)	\$15.00
<input type="checkbox"/> 1C	Horn only / no visual (must select 1E if floats included)	\$15.00
<input type="checkbox"/> 1E	Alarm float \$25.00	
<input type="checkbox"/> 3A	Alarm flasher \$45.00	
<input type="checkbox"/> 3B	Manual alarm reset \$90.00	
<input type="checkbox"/> 3C	Red high / low indicator light & alarm activation (4A not needed)	\$300.00
<input type="checkbox"/> 3D	Float for low indicator (must select option 3C)	\$25.00
<input type="checkbox"/> 3E	Float for high indicator (not required if panel contains high alarm)	\$25.00
<input type="checkbox"/> 4A	Redundant off (select option 4D if floats included, 3C not needed)	\$55.00
<input type="checkbox"/> 4B	Red redundant off indicator & alarm (must select 4A also)	\$220.00
<input type="checkbox"/> 4D	Redundant off float (must select 4A option) (must select 17 option)	\$25.00
<input type="checkbox"/> 5A	Thermal cutout/heat sensor auto reset (for pumps w/thermal switch leads)	\$40.00
<input type="checkbox"/> 5E	Seal failure circuit & red indicator (2 wire) \$160.00	
<input type="checkbox"/> 5M	Seal fail alarm activation (must select option 5E)	\$60.00
<input type="checkbox"/> 6A	Auxiliary alarm contact, form C \$15.00	
<input type="checkbox"/> 6G	Auxiliary contact, dry, seal fail, normally open (must select option 5E)	\$40.00
<input type="checkbox"/> 8A	Elapsed time meter \$75.00	

CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/> 8C	Event (cycle) counter \$65.00	
<input type="checkbox"/> 10A	Clear inner swing-out door w/dead front (lights and switches mounted on inner door)	\$170.00
<input type="checkbox"/> 10E	Lockable latch \$40.00	
<input type="checkbox"/> 10G	Lightning arrestor \$200.00	
<input type="checkbox"/> 10K	Anti-condensation heater \$100.00	
<input type="checkbox"/> 11C	NEMA 1 alarm panel (must select option 6A) \$80.00	
<input type="checkbox"/> 11D	NEMA 4X alarm panel (must select option 6A) \$250.00	
<input type="checkbox"/> 14B	Main disconnect (rotary style, mounted through door, non-fused)	
<input type="checkbox"/>	0-20 FLA \$285.00	
<input type="checkbox"/>	20-25 FLA \$325.00	
<input type="checkbox"/> 16A	10' cord in lieu of 20' (per float) - \$2.00	
<input type="checkbox"/> 16B	15' cord in lieu of 20' (per float) - \$1.00	
<input type="checkbox"/> 16C	30' cord in lieu of 20' (per float) \$5.00	
<input type="checkbox"/> 16D	40' cord in lieu of 20' (per float) \$15.00	
<input type="checkbox"/> 17C	Sensor Float® / internally weighted ▲ (per float) \$5.00	
<input type="checkbox"/> 17D	Sensor Float® / externally weighted ▲ (per float) \$7.00	
<input type="checkbox"/> 17G	MilliAmpMaster™ / pipe clamp ● (per float) \$0.00	
<input type="checkbox"/> 17H	MilliAmpMaster™ / externally weighted ● (per float) \$7.00	
<input type="checkbox"/> 17J	Sensor Float® / pipe clamp ▲ (per float) \$0.00	
<input type="checkbox"/> 19T	TOA (Test/Off/Automatic) switch and pump run light through door mounted \$75.00	
<input type="checkbox"/> 19U	HOA (Hand/Off/Automatic) switch and pump run light through door mounted \$60.00	
<input type="checkbox"/> 19X	Door mounted pump run indicator \$30.00	

● Mechanically-activated ▲ Mercury-activated

If additional features are required, call the factory for a quote on an Engineered Custom control panel.

SAMPLE

MODEL

314

1

W

401

H

3A

8A

17G

Alarm Package

Enclosure Rating

Pump Full Load Amps

Float Switch Application

Options: Flasher, Elapsed Time Meter,

SJE MilliAmpMaster™ / pipe clamp

314	.....	See List Price
1	.....	Base
W	.....	Base
401	.....	Base
H	.....	Base
3A	.....	\$45.00
8A	.....	\$75.00
17G	.....	\$0.00

TOTAL LIST PRICE \$XXXX.XX

MODEL 324 Control Panel

Three phase, duplex alternating pump control with intrinsically safe circuits.

The Model 324 control panel is designed for applications requiring intrinsically safe float circuits or other circuit extensions. This panel will alternately control two 208/240/480 VAC three phase pumps. The alternating action equalizes pump wear. In addition to the alternating pump control, this system provides override control should either pump fail. If an alarm condition occurs, an additional alarm switch activates the audio/visual alarm system. Common applications include pump chambers, lift stations, or other installations classified as hazardous locations requiring intrinsically safe circuits.

PANEL COMPONENTS

1. **Enclosure** measures 16 x 14 x 6 inches (40.64 x 35.56 x 15.24 cm) NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use).
2. **Intrinsically Safe Module** limits the amount of energy to switches preventing ignition of flammable gases.
3. **Intrinsically Safe Partition** isolates intrinsically safe wiring.
4. **Motor Protective Switches** provide adjustable overload, branch circuit protection and pump disconnect.
5. **IEC Motor Contactors** control pumps by switching electrical lines.
6. **HOA Switches** for manual pump control (mounted on circuit board).
7. **Multi-Tap Transformer** (208/240/480 VAC primary) provides 120V control/alarm voltage or 600VAC primary transformer.
8. **Alternating Circuit Board** provides pump control and alternation of pumps (U.S. Patent # 5,909,352).
9. **Green Pump Run Indicator Lights** (mounted on circuit board).
10. **Control/Alarm Fuse** (mounted on circuit board).
11. **Float Status Indicator Lights** (mounted on circuit board).
12. **Input Power Terminal Block**
13. **Ground Lugs**
14. **Control/Alarm Power Indicator Light** (mounted on circuit board).
15. **Control ON/OFF Switch** (mounted on circuit board).

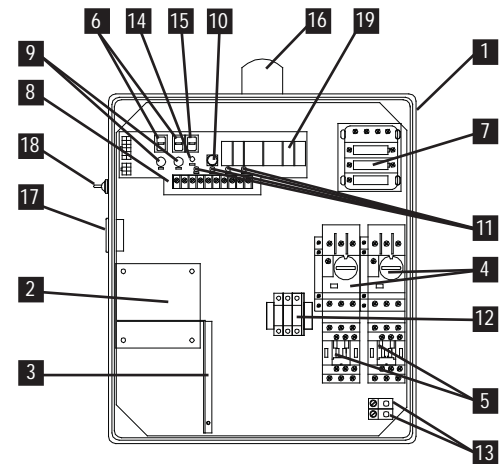
NOTE: Schematic/Wiring Diagram is located inside the panel on enclosure cover.

STANDARD ALARM PACKAGE

16. **Red Alarm Beacon** provides 360° visual check of alarm condition.
17. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).
18. **Exterior Alarm Test/Normal/Silence Switch** allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition is cleared.
19. **Horn Silence Relay** (mounted circuit board).

NOTE: other options available.

Model 324 control panels cannot be returned. Please refer to the Product Return section.



Model Shown 3241W511X

FEATURES

- Industrial control panel is UL Listed relating to hazardous locations with intrinsically safe circuit extensions
- Dual safety certification for the United States and Canada
- Standard package includes three 20' SJE MilliAmpMaster™ control switches
- Complete with step-by-step installation instructions
- Three-year limited warranty



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SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

324

W

MODEL 324

\$2687.00

ALARM PACKAGE

- ☐ 0 = select options or no alarm package..... - \$35.00
- ☐ 1 = alarm package (includes test/normal/silence switch, fuse, red light, & horn) Base

ENCLOSURE RATING

- ☒ W = Weatherproof, NEMA 4X (engineered thermoplastic) Base

PUMP FULL LOAD AMPS**208/240/480V****600V**

- | | | |
|--|--|---------|
| <input type="checkbox"/> 001 = 1.0-1.6 FLA | <input type="checkbox"/> 005 = 1.0-1.6 FLA | Base |
| <input type="checkbox"/> 101 = 1.6-2.5 FLA | <input type="checkbox"/> 105 = 1.6-2.5 FLA | Base |
| <input type="checkbox"/> 201 = 2.5-4.0 FLA | <input type="checkbox"/> 205 = 2.5-4.0 FLA | Base |
| <input type="checkbox"/> 301 = 4.0-6.3 FLA | <input type="checkbox"/> 305 = 4.0-6.3 FLA | Base |
| <input type="checkbox"/> 401 = 6.0-10.0 FLA | <input type="checkbox"/> 405 = 6.0-10.0 FLA | Base |
| <input type="checkbox"/> 511 = 9.0-14.0 FLA | <input type="checkbox"/> 515 = 9.0-14.0 FLA | \$60.00 |
| <input type="checkbox"/> 611 = 13.0-18.0 FLA | <input type="checkbox"/> 615 = 13.0-18.0 FLA | \$60.00 |
| <input type="checkbox"/> 621 = 17.0-23.0 FLA | <input type="checkbox"/> 625 = 17.0-23.0 FLA | \$80.00 |
| <input type="checkbox"/> 701 = 20.0-25.0 FLA | <input type="checkbox"/> 705 = 20.0-25.0 FLA | \$80.00 |

FLOAT SWITCH APPLICATION

- ☐ H or L = pump down or pump up (select 17 option) Base
- ☐ X = no floats - \$75.00

OPTIONS *Listed below*

ENCLOSURE UPSIZE - If you selected one or more of the ★ options,
add a one-time \$160.00 list enclosure upsize

Total Options

Enclosure Upsize

TOTAL LIST PRICE

- | CODE | DESCRIPTION | LIST PRICE |
|--|--|------------|
| <input type="checkbox"/> 1A | Red beacon only / no audio..... | \$20.00 |
| <input type="checkbox"/> 1C | Horn only / no visual..... | \$20.00 |
| <input type="checkbox"/> 3A | Alarm flasher | \$35.00 |
| <input type="checkbox"/> 3B | Manual alarm reset..... | \$90.00 |
| <input checked="" type="checkbox"/> ★ 3C | Red high/low indicator light
and alarm activation (4A not needed) | \$300.00 |
| <input type="checkbox"/> 3D | Float for low indicator
(must select option 3C) | \$25.00 |
| <input checked="" type="checkbox"/> ★ 4A | Redundant off
(select option 4D if floats included, 3C not needed) | \$55.00 |
| <input type="checkbox"/> 4B | Red redundant off indicator & alarm.....
(must select 4A also) | \$70.00 |
| <input type="checkbox"/> 4D | Redundant off float
(must select 4A option) (must select 17 option).... | \$25.00 |
| <input type="checkbox"/> 5A | Thermal cutout/heat sensor auto
reset (for pumps w/thermal switch leads) | \$80.00 |
| <input type="checkbox"/> 5 E | Seal failure circuit & red indicator
(2 wire) | \$315.00 |
| <input checked="" type="checkbox"/> ★ 5M | Seal failure alarm activation
(must select option 5E) | \$60.00 |
| <input type="checkbox"/> 6A | Auxiliary alarm contact, form C | \$15.00 |
| <input checked="" type="checkbox"/> ★ 6G | Auxiliary contact, seal fail,
normally open (must select option 5E) | \$40.00 |
| <input checked="" type="checkbox"/> ★ 8A | Elapsed time meter..... | \$110.00 |
| <input checked="" type="checkbox"/> ★ 8C | Event (cycle) counter..... | \$90.00 |
| <input type="checkbox"/> 10A | Clear inner swing-out door w/dead front
(lights and switches mounted on inner door) | \$190.00 |

- | CODE | DESCRIPTION | LIST PRICE |
|---|--|------------|
| <input type="checkbox"/> 10E | Lockable latch | \$40.00 |
| <input type="checkbox"/> 10G | Lightning arrestor | \$200.00 |
| <input checked="" type="checkbox"/> ★ 10K | Anti-condensation heater | \$100.00 |
| <input type="checkbox"/> 11C | NEMA 1 alarm panel (must select option 6A)..... | \$80.00 |
| <input type="checkbox"/> 11D | NEMA 4X alarm panel (must select option 6A) | \$250.00 |
| <input checked="" type="checkbox"/> ★ 14B | Main disconnect (rotary style, mounted through door, non-fused) | |
| <input type="checkbox"/> ★ 0-20 FLA (total of both pumps)..... | | \$285.00 |
| <input type="checkbox"/> ★ 20-50 FLA (total of both pumps)..... | | \$325.00 |
| <input type="checkbox"/> 16A | 10' cord in lieu of 20' (per float) | \$2.00 |
| <input type="checkbox"/> 16B | 15' cord in lieu of 20' (per float) | \$1.00 |
| <input type="checkbox"/> 16C | 30' cord in lieu of 20' (per float) | \$5.00 |
| <input type="checkbox"/> 16D | 40' cord in lieu of 20' (per float) | \$15.00 |
| <input type="checkbox"/> 17C | Sensor Float® / internally weighted ▲ (per float) | \$5.00 |
| <input type="checkbox"/> 17D | Sensor Float® / externally weighted ▲ (per float) | \$7.00 |
| <input type="checkbox"/> 17G | MilliAmpMaster™ / pipe clamp ● (per float) | \$0.00 |
| <input type="checkbox"/> 17H | MilliAmpMaster™ / externally weighted ● (per float) | \$7.00 |
| <input type="checkbox"/> 17J | Sensor Float® / pipe clamp ▲ (per float) | \$0.00 |
| <input type="checkbox"/> 19B | Lead lag selector switch | \$15.00 |
| <input type="checkbox"/> 19F | Fourth float to separate alarm function from lag..... | \$175.00 |
| <input type="checkbox"/> 19G | Panel wired to accept fourth control switch | \$150.00 |
| <input type="checkbox"/> 19T | TOA (Test/Off/Automatic) switches and pump run light
through door mounted | \$160.00 |
| <input type="checkbox"/> 19U | HOA (Hand/Off/Automatic) switches and pump run light
through door mounted | \$150.00 |
| <input type="checkbox"/> 19X | Door mounted pump run indicator..... | \$40.00 |

● Mechanically-activated ▲ Mercury-activated

If additional features are required, call the factory for a quote on an Engineered Custom control panel.

SAMPLE

MODEL 324 1 W 401 H 8AC 17G

Alarm Package _____

Enclosure Rating _____

Pump Full Load Amps _____

Float Switch Application _____

Options: Elapsed Time Meter, Event (cycle) Counter, SJE MilliAmpMaster™ / pipe clamp

324 See List Price

1 Base

W Base

401 Base

H Base

8A \$110.00

8C \$90.00

17G \$0.00

Enclosure Upsize..... \$160.00

TOTAL LIST PRICE \$XXXX.XX

Intrinsically Safe Retro Control Panel

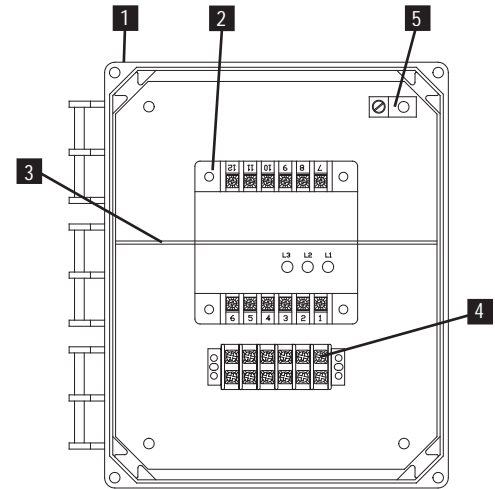
Single phase control panel with intrinsically safe circuits.

The Intrinsically Safe Retro panel is designed to be used in conjunction with other SJE-Rhombus® float switch based control panels, where intrinsically safe float circuits are required. The I.S. Retro panel can be field retrofitted with any SJE-Rhombus control panel that is being controlled by SJE MilliAmpMaster™ or Sensor Float® control switches. Common applications include pump chambers, lift stations, or other installations classified as hazardous locations requiring intrinsically safe circuits.

PANEL COMPONENTS

1. **Enclosure** measures 10 x 8 x 4 inches (25.40 x 20.32 x 10.16 cm) NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use).
2. **Intrinsically Safe Module** limits the amount of energy to switches preventing ignition of flammable gases.
3. **Intrinsically Safe Partition** isolates the intrinsically safe wiring.
4. **Float Wiring Terminal Block** (must use switches suitable for use in intrinsically safe circuits such as SJE MilliAmpMaster™ or Sensor Float® control switches.)
5. **Ground Lug**

NOTE: Schematic/Wiring Diagram is located inside the panel on enclosure cover.



Model Shown I.S. Retro Panel - 3 Channel

OPTIONS

- Available with lockable latch
- Available with 3 channel or 4 channel intrinsically safe module

FEATURES

- Industrial control panel is UL Listed relating to hazardous locations with intrinsically safe circuit extensions
- Dual safety certification for the United States and Canada
- Complete with step-by-step installation instructions
- Three-year limited warranty



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1-218-847-4617 Fax
email: sje@sjerhombus.com
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MODEL I.S. Retro Control Panel

Single phase control panel with intrinsically safe circuits.

Part #	Description	Suggested List Price	Shipping Weight
1031738	I.S. Retro - 3 channel	\$921.00	13 lbs.
1031737	I.S. Retro - 4 channel	\$1021.00	13 lbs.

Call or fax your order!

1-888-DIAL-SJE (1-888-342-5753)  Fax 218-847-4617

MODEL TD Control Panel

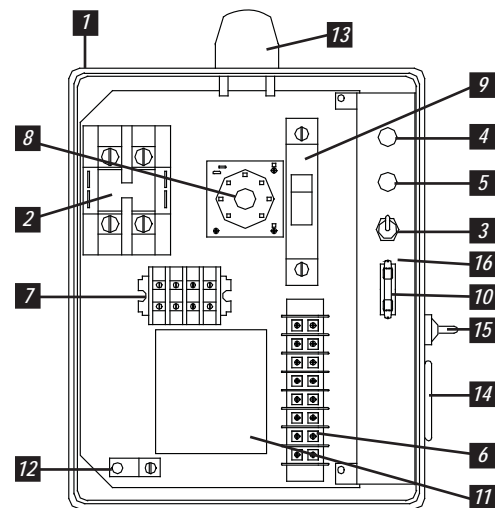
Single phase, simplex timed dosing pump control.

The Model TD control panel provides a reliable means of controlling one single phase pump in onsite septic installations. A programmable timer activates a magnetic motor contactor to turn the pump on and off. A low level cutout float overrides the timer to prevent the pump from running dry. An alarm float activates the audio/visual alarm system indicating a high liquid level. Common applications include sand filter systems, pressure distribution systems, mound systems, or any application requiring a timed dose.

PANEL COMPONENTS

1. **Enclosure** measures 10 x 8 x 4 inches (25.40 x 20.32 x 10.16 cm) NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use).
2. **Magnetic Motor Contactor** controls pump by switching electrical lines.
3. **HOA Switch** for manual pump control.
4. **Control Fuse**
5. **Alarm Fuse**
6. **Float Switch Terminal Block**
7. **Incoming Power Terminal Block**
8. **Programmable Timer** with separate variable controls allows for setting the on and off times from .05 seconds to 30 hours.
9. **Circuit Breaker** provides pump disconnect and branch circuit protection.
10. **Spare Fuse**
11. **Backplate Label** includes diagram of float, pump, and power connections.
12. **Ground Lug**

NOTE: Timer Installation Label and Pump/Float Switch Installation Specification Label are located inside the panel on enclosure cover.



Model Shown TD1W914X

STANDARD ALARM PACKAGE

13. **Red Alarm Beacon** provides 360° visual check of alarm condition.
14. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).
15. **Exterior Alarm Test/Normal/Silence Switch** allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition is cleared.
16. **Horn Silence Relay** (mounted under bracket).

NOTE: other options available.



FEATURES

- Entire control system (panel and switches) is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Standard package includes two 20' SJE PumpMaster® pump switches
- Complete with step-by-step installation instructions
- Three-year limited warranty

OPTIONAL FEATURE

- **34" (86.36cm) Panel Mounting Post** (Factory Installed). Includes Duplex Installation Kit (Enclosure upsized to 10" x 8" x 6" (25.4 x 20.32 x 15.24 cm). Max. Enclosure size 14" x 12" x 6" (35.56 x 30.48 x 15.24 cm)

SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

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1-218-847-4617 Fax

email: sje@sjerhombus.com

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TD		W			4		
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MODEL TD \$754.00

ALARM PACKAGE

☐ 0 = select option (If you select "0", you must select option 1F) - \$20.00

☐ 1 = alarm package (includes test/normal/silence switch, red beacon, horn) Base

ENCLOSURE RATING

☒ W = Weatherproof, NEMA 4X (engineered thermoplastic) Base

STARTING DEVICE

☐ 1 = magnetic motor contactor 120/208/240V \$60.00

☐ 9 = magnetic motor contactor 120V only Base

PUMP FULL LOAD AMPS

☐ 0 = 0-7 FLA Base

☐ 1 = 7-15 FLA Base

☐ 2 = 15-20 FLA Base

PUMP DISCONNECTS

☒ 4 = circuit breaker Base

FLOAT SWITCH APPLICATION

☐ H = 20' low level cutout (select 17 or 21 option) Base

☐ X = no floats - \$60.00

OPTIONS Listed below

Total Options _____

TOTAL LIST PRICE _____

CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/> 1F	Door mounted alarm indicator with horn and test/normal/silence switch (must select "0" as an alarm package)	\$30.00
<input type="checkbox"/> 4B	Red redundant off indicator and alarm (must select option "4D" if floats included)	\$55.00
<input type="checkbox"/> 4D	Redundant off float	\$25.00
<input type="checkbox"/> 4E	Redundant off float, alarm activation (20' SJE PumpMaster® SPDT)	\$40.00
<input type="checkbox"/> 6A	Auxiliary alarm contacts, form C.....	\$40.00
<input type="checkbox"/> 8A	Elapsed time meter	\$55.00
<input type="checkbox"/> 8C	Event (cycle) counter	\$55.00

CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/> 10E	Lockable latch	\$20.00
<input type="checkbox"/> 10K	Anti-condensation heater	\$100.00
<input type="checkbox"/> 10P	Panel Mounting Post (Factory Installed. Includes Duplex Install. Kit)(Encl. upsized to 10x8x6.Max 14x12x6).....	\$110.00
<input type="checkbox"/> 16A	10' cord in lieu of 20' (per float)	- \$2.00
<input type="checkbox"/> 16B	15' cord in lieu of 20' (per float)	- \$1.00
<input type="checkbox"/> 16C	30' cord in lieu of 20' (per float)	\$5.00
<input type="checkbox"/> 16D	40' cord in lieu of 20' (per float)	\$15.00
<input type="checkbox"/> 17E	Sensor Float® Mini (redundant off, high level alarm) ▲ (per float)	\$0.00
<input type="checkbox"/> 18A	Timer override float (20' SJE PumpMaster®) ●	\$40.00
<input type="checkbox"/> 19X	Door mounted pump run indicator	\$30.00
<input type="checkbox"/> 21E	SJE PumpMaster® (redundant off, high level alarm) ● (per float)	\$5.00

● Mechanically-activated ▲ Mercury-activated

If additional features are required, call the factory for a quote on an Engineered Custom control panel.

SAMPLE

MODEL	TD	1	W	9	1	4	H	4E 18A 21E	TD See List Price
Alarm Package									1 Base
Enclosure Rating									W Base
Starting Device									9 Base
Pump Full Load Amps									1 Base
Pump Disconnect									4 Base
Float Switch Application									H Base
Options: Redundant off float, Timer override float, SJE PumpMaster®									4E \$40.00
									18A \$40.00
									21E \$5.00
									TOTAL LIST PRICE \$XXX.XX

MODEL DTD Control Panel

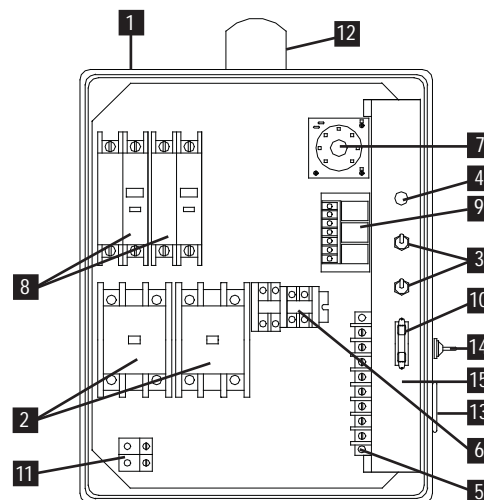
Single phase, duplex timed dosing pump control.

The Model DTD control panel provides a reliable means of controlling two single phase 120, 208, or 240 VAC pumps in onsite septic installations. A programmable timer, in conjunction with an alternating circuit board, alternately activates the magnetic contactors to turn the pumps on and off and equalize pump wear. A low level cutout float overrides the timer to prevent the pump from running dry. An alarm switch activates the audio/visual alarm system indicating a high liquid level. Common applications include sand filter systems, pressure distribution systems, mound systems, or any application requiring timed dose control.

PANEL COMPONENTS

1. **Enclosure** measures 14 x 12 x 6 inches (35.56 x 30.48 x 15.24 cm); NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use).
2. **Magnetic Motor Contactors** control pumps by switching electrical lines.
3. **HOA Switches** for manual pump control.
4. **Control/Alarm Fuse**
5. **Float Switch Terminal Block**
6. **Incoming Power Terminal Block**
7. **Programmable Timer** with separate variable controls allows for setting the on and off times from .05 seconds to 30 hours.
8. **Circuit Breakers** provide pump disconnects and branch circuit protection.
9. **Alternating Circuit Board** provides pump control and alternation (U.S. Patent 5,909,352).
10. **Spare Fuse**
11. **Ground Lugs**

NOTE: Timer Installation Label, Field Wiring Diagram and Pump/Float Switch Installation Specification Label are located inside the panel on enclosure cover.



Model Shown DTD1W104X

STANDARD ALARM PACKAGE

12. **Red Alarm Beacon** provides 360° visual check of alarm condition.
13. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).
14. **Exterior Alarm Test/Normal/Silence Switch** allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition is cleared.
15. **Horn Silence Relay** (mounted under bracket).

NOTE: other options available.



FEATURES

- Entire control system (panel and switches) is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Standard package includes two 20' SJE PumpMaster® pump switches
- Complete with step-by-step installation instructions
- Three-year limited warranty

SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

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DTD		W			4		
------------	--	----------	--	--	----------	--	--

MODEL DTD \$1508.00

ALARM PACKAGE

☐ 0 = select option (If you select "0", you must select option 1F) - \$20.00

☐ 1 = alarm package (includes test/normal/silence switch, red beacon, horn) Base

ENCLOSURE RATING

☒ W = Weatherproof, NEMA 4X (engineered thermoplastic) Base

STARTING DEVICE

☐ 1 = magnetic motor contactor 120/208/240V \$ 60.00

☐ 9 = magnetic motor contactor 120V only Base

PUMP FULL LOAD AMPS

☐ 0 = 0-7 FLA Base

☐ 1 = 7-15 FLA Base

☐ 2 = 15-20 FLA Base

☐ 3 = 20-30 FLA \$ 50.00

PUMP DISCONNECTS

☒ 4 = circuit breaker Base

FLOAT SWITCH APPLICATION

☐ H = 20' low level cutout (select 17 or 21 option) Base

☐ X = no floats - \$60.00

OPTIONS Listed below

Total Options _____

TOTAL LIST PRICE _____

CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/> 1F	Door mounted alarm indicator with horn .....\$30.00 and test/normal/silence switch (<i>must select "0"</i> <i>for alarm package</i>)	
<input type="checkbox"/> 4B	Red redundant off indicator and alarm .....\$90.00 (<i>must select option 4D if floats included</i>)	
<input type="checkbox"/> 4D	Redundant off float .....\$25.00	
<input type="checkbox"/> 4E	Redundant off float, alarm activation .....\$40.00 (20' SJE PumpMaster® SPDT)	
<input type="checkbox"/> 6A	Auxiliary alarm contacts, form C .....\$50.00	
<input type="checkbox"/> 8A	Elapsed time meters .....\$110.00	
<input type="checkbox"/> 8C	Event (cycle) counters .....\$90.00	

CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/> 10E	Lockable latches \$40.00	
<input type="checkbox"/> 10K	Anti-condensation heater \$100.00	
<input type="checkbox"/> 16A	10' cord in lieu of 20' (<i>per float</i>) - \$2.00	
<input type="checkbox"/> 16B	15' cord in lieu of 20' (<i>per float</i>) - \$1.00	
<input type="checkbox"/> 16C	30' cord in lieu of 20' (<i>per float</i>) \$ 5.00	
<input type="checkbox"/> 16D	40' cord in lieu of 20' (<i>per float</i>) \$15.00	
<input type="checkbox"/> 17J	Sensor Float® (redundant off, high level alarm) ▲ (<i>per float</i>) \$0.00	
<input type="checkbox"/> 18A	Timer override float \$40.00 (20' SJE PumpMaster® ●)	
<input type="checkbox"/> 19X	Door mounted pump run indicators \$40.00	
<input type="checkbox"/> 21E	SJE PumpMaster® (redundant off, high level alarm) ● (<i>per float</i>) \$5.00	

● Mechanically-activated ▲ Mercury-activated

If additional features are required, call the factory for a quote on an Engineered Custom control panel.

SAMPLE

MODEL	DTD	1	W	9	1	4	H	4E 18A 21E
--------------	------------	----------	----------	----------	----------	----------	----------	-------------------

Alarm Package 1

Enclosure Rating W

Starting Device 9

Pump Full Load Amps 1

Pump Disconnect 4

Float Switch Application H

Options: Redundant off float, Timer override float, SJE PumpMaster® 4E 18A 21E

DTD	See List Price
1	Base
W	Base
9	Base
1	Base
4	Base
H	Base
4E	\$40.00
18A	\$40.00
21E	\$5.00
TOTAL LIST PRICE	\$XXXX.XX

MODEL PS Control Panel

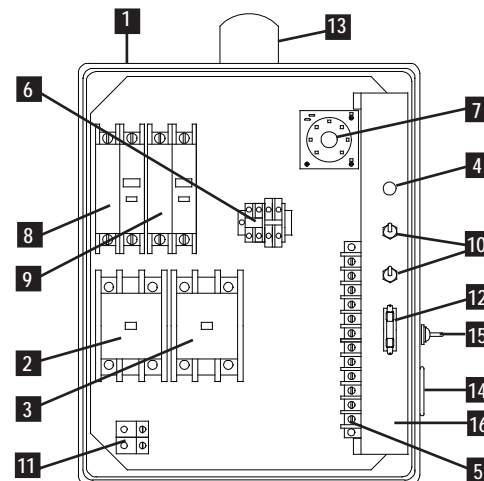
Single phase, duplex motor contactor control/programmable timed dosing control panel.

The PS control panel provide a reliable means of controlling **both** pump chamber and sand filter pumps in an onsite septic installation.

PANEL COMPONENTS

1. **Enclosure** measures 14 x 12 x 6 inches (35.56 x 30.48 x 15.24 cm); NEMA 4X (ultraviolet stabilized thermoplastic) with removable mounting feet for indoor or outdoor use.
2. **Pump Chamber Magnetic Motor Contactor** controls pump chamber pump by switching electrical lines.
3. **Sand Filter Magnetic Motor Contactor** controls sand filter pump by switching electrical lines.
4. **Alarm/Control Fuse**
5. **Float Switch Terminal Block**
6. **Control/Pump Power Terminal Block**
7. **Programmable Timer** features separate variable controls to allow for pump chamber pump on/off time settings from .05 seconds to 30 hours.
8. **Pump Chamber Circuit Breaker** provides pump chamber disconnect and provides branch circuit protection.
9. **Sand Filter Circuit Breaker** provides sand filter pump disconnect and provides branch circuit protection.
10. **HOA Switches** provide manual pump control.
11. **Ground Lugs**
12. **Spare Fuse**

NOTE: Wiring Diagram, Pump Specification Label and Timer Installation Label are located inside the panel on enclosure cover.



Model Shown PS1W104X

STANDARD ALARM PACKAGE

13. **Red Alarm Beacon** provides 360° visual check of alarm condition.
14. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).
15. **Exterior Alarm Test/Normal/Silence Switch** allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition is cleared.
16. **Horn Silence Relay** (mounted under bracket).

NOTE: other options available.



FEATURES

- Entire control system (panel and switches) is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Standard package includes three 20' SJE PumpMaster® pump switches, and one 20' SJE PumpMaster® SPDT pump switch
- Complete with step-by-step installation instructions
- Three-year limited warranty

SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

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PS		W			4			
MODEL PS								\$1367
ALARM PACKAGE								
<input type="checkbox"/>	0 = no alarm (If you select "0", you must select option 1F)							- \$20.00
<input type="checkbox"/>	1 = alarm package (includes test/normal/silence switch, red beacon, horn)							Base
ENCLOSURE RATING								
<input checked="" type="checkbox"/>	W = Weatherproof, NEMA 4X (engineered thermoplastic)							Base
STARTING DEVICE								
<input type="checkbox"/>	1 = magnetic motor contactor 120/208/240V							\$ 60.00
<input type="checkbox"/>	9 = magnetic motor contactor 120V only.....							Base
PUMP FULL LOAD AMPS								
<input type="checkbox"/>	0 = 0-7 FLA.....							Base
<input type="checkbox"/>	1 = 7-15 FLA.....							Base
<input type="checkbox"/>	2 = 15-20 FLA.....							Base
PUMP DISCONNECTS								
<input checked="" type="checkbox"/>	4 = circuit breaker							Base
FLOAT SWITCH APPLICATION								
<input type="checkbox"/>	H = (select 17 or 21 option)							Base
<input type="checkbox"/>	X = no floats.....							- \$130.00
OPTIONS <i>Listed below</i>								
Total Options								
TOTAL LIST PRICE								

CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/> 1F	Door mounted alarm indicator with horn and test/normal/silence switch (<i>must select "0" for alarm package</i>)	\$30.00
<input type="checkbox"/> 3F	High level indicators	\$65.00
<input type="checkbox"/> 4B	Red redundant off indicator and alarm..... (<i>must select option "4D" if floats included</i>)	\$90.00
<input type="checkbox"/> 4D	Redundant off floats (two floats)	\$50.00
<input type="checkbox"/> 4E	Redundant off, alarm activation..... <i>must select 4D if floats included</i>	\$40.00
<input type="checkbox"/> 6A	Auxiliary alarm contacts, form C.....	\$50.00
<input type="checkbox"/> 8A	Elapsed time meters.....	\$110.00
<input type="checkbox"/> 8C	Event (cycle) counters.....	\$90.00

CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/> 10E	Lockable latches	\$40.00
<input type="checkbox"/> 10K	Anti-condensation heater	\$100.00
<input type="checkbox"/> 16A	10' cord in lieu of 20' (<i>per float</i>)	- \$2.00
<input type="checkbox"/> 16B	15' cord in lieu of 20' (<i>per float</i>)	- \$1.00
<input type="checkbox"/> 16C	30' cord in lieu of 20' (<i>per float</i>)	\$ 5.00
<input type="checkbox"/> 16D	40' cord in lieu of 20' (<i>per float</i>)	\$15.00
<input type="checkbox"/> 17J	Sensor Float® (two redundant off floats, high level alarm) ▲ (<i>per float</i>)	\$0.00
<input type="checkbox"/> 18A	Timer override float	\$40.00
<input type="checkbox"/> 19X	Door mounted pump run indicators.....	\$40.00
<input type="checkbox"/> 21E	SJE PumpMaster® (two redundant off floats, high level alarm) ● (<i>per float</i>)	\$5.00

● Mechanically-activated ▲ Mercury-activated

If additional features are required, call the factory for a quote on an Engineered Custom control panel.

SAMPLE

MODEL	PS	1	W	9	1	4	H	4DE 18A 21E
Alarm Package								
Enclosure Rating								
Starting Device								
Pump Full Load Amps								
Pump Disconnect								
Float Switch Application								
Options: Redundant off floats, Timer override float, Alarm activation, SJE PumpMaster®								

PS	.....	See List Price
1	.....	Base
W	.....	Base
9	.....	Base
1	.....	Base
4	.....	Base
H	.....	Base
4D	.....	\$50.00
4E	.....	\$40.00
18A	.....	\$40.00
21E	.....	\$15.00

TOTAL LIST PRICE \$XXXX.XX

Installer Friendly Series® Drip Control Panel

Single phase, simplex subsurface drip irrigation panel for pump control and system monitoring.

The Installer Friendly Series® Drip irrigation control panel is designed to control one 120V or 230V single phase pump for subsurface irrigation systems. The IFS Drip panel features a simple, easy-to-use touch pad on the inner door for programming and monitoring system operation: rest for standard time, rest for peak enable time, spin filter flush time, dose time, field flush time, field drain time, and low alarm activation.

TOUCH PAD FEATURES

- A. Alarm Power Indicator/Fuse.** LED indicator light illuminates if alarm power is present in panel.
- B. Alarm Power Replace Indicator** illuminates if alarm fuse is blown.
- C. Control Power Indicator/Fuse.** LED indicator light illuminates if control power is present in panel.

NOTE: If control power is not present panel will go into alarm mode.

- D. HOA (Hand/Off/Automatic) Indicators/Buttons** control pump mode with LED indication.
- E. Float Status Indicators** illuminate when floats are activated. Alarm will activate and indicator will flash if a float operates out of sequence.
- F. Pump Run Indicator** illuminates when pump is called to run.
- G. Cycle Status Indicators** allows user to see which cycle (dose, flush, or drain) is activated.

- H. Advance and Pause Buttons** allow user to cycle through system functions for testing.

- I. Rest Time Indicator** illuminates in between cycles.

- J. Count Indicator** illuminates when viewing panel data.

- K. Program Indicator** illuminates when programming panel.

- L. Flush Valve Indicator** illuminates when flush valve is called to energize.

- M. Spin Valve Indicator** illuminates when spin valve is called to energize.

- N. Seven-Segment LED Display** shows high water alarm count, float status sequence error count, low level cutout float open low alarm count, standard dose count, power-fail count, pump on/off cycle count, pump run times (hh:mm), and peak does count.

- O. Next, Up, Select Buttons** are used to navigate through the display.

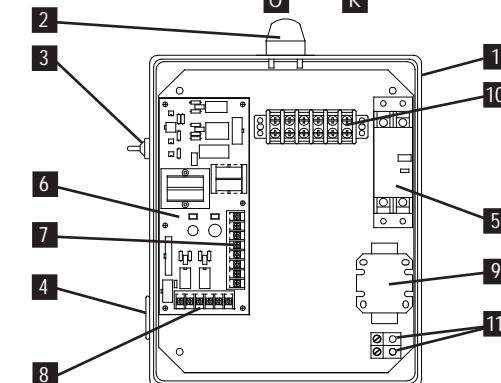
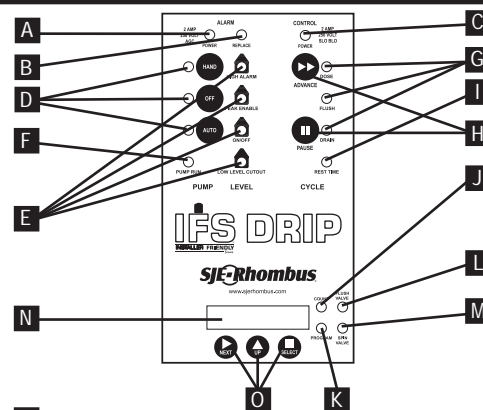
NOTE: LED display will turn off after one minute of not being used.

PANEL COMPONENTS

- 1. NEMA 4X enclosure** ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use measures 12 x 10 x 6 inches (30.48 x 25.40 x 15.24 cm).
- 2. Red Alarm Beacon** provides 360° visual check of alarm condition.
- 3. Exterior Alarm Test/Normal/Silence Switch** allows horn and beacon to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition is cleared.
- 4. Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).
- 5. Circuit Breaker** provides pump disconnect and branch circuit protection.
- 6. Circuit Board** provides power to main circuit board and contains terminal blocks for float and valve connections.

PRICING/ORDERING INFORMATION

Part Number	Description	VAC	FLA	List Price
1018134	IFS Drip Panel	120/208/240V	7-15	\$1460.00
1021573	IFS Drip w/PS	120V	7-15	\$1535.00
1021563	IFS Drip w/PS	120/208/240V	7-15	\$1575.00



7. Float Connections

8. Valve Connections

9. Magnetic Motor Contactor controls pump by switching electrical lines.

10. Large Incoming Power/Pump Connection Terminal Block

11. Ground Lugs

NOTE: Schematic/Wiring Diagram, Pump Specification Label, Input Display Code Label, and Counter Display Code Label are on inside cover for viewing/programming digital display.

FEATURES

- Entire control system (panel and switches) is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Standard package includes four control switches
- Optional pressure switch for aerobic applications.
- Complete with step-by-step installation instructions
- Three-year limited warranty



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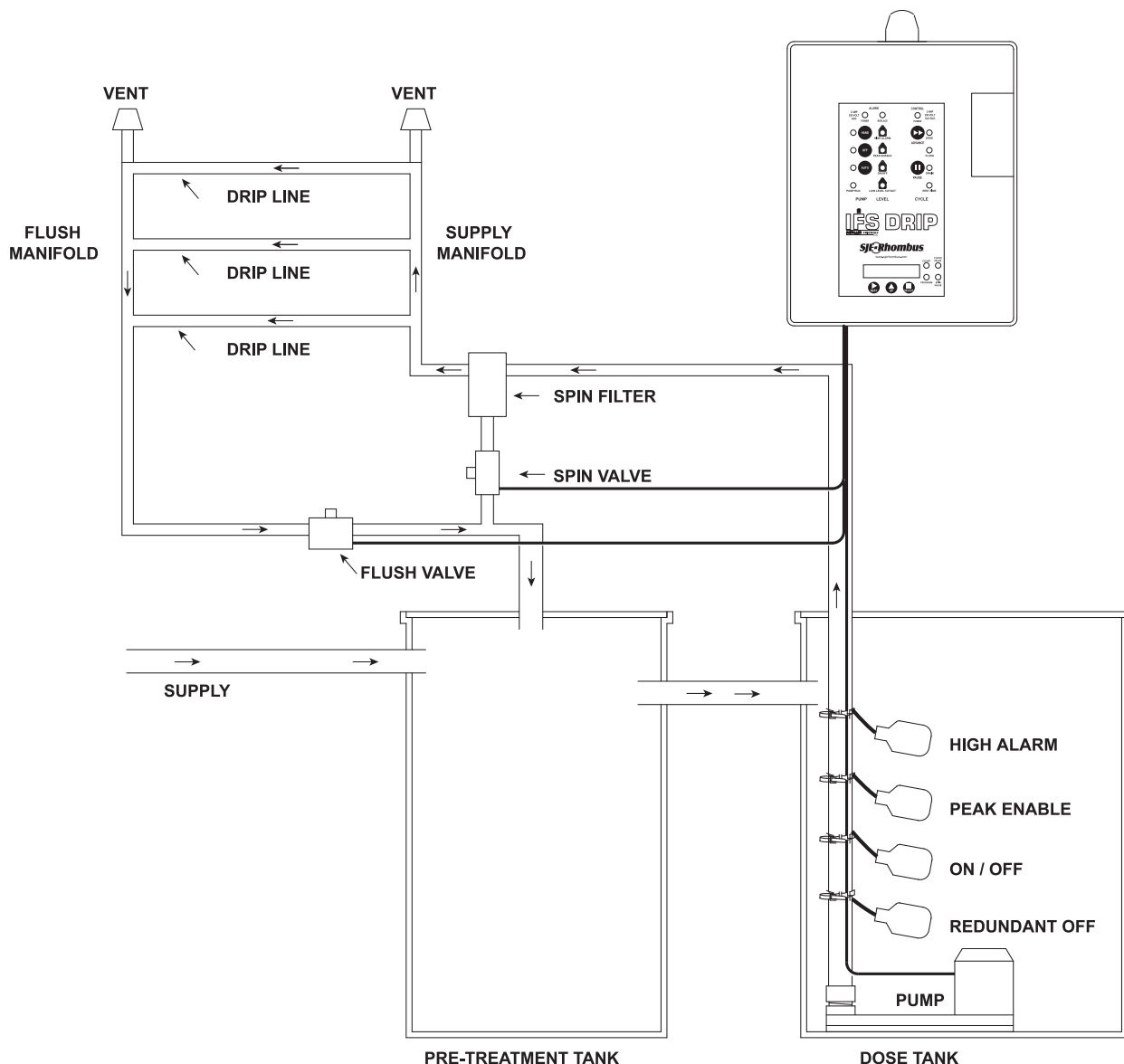
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Installer Friendly Series® Drip Control Panel

IFS Drip Control Panel Operation:

Four (4) float switches (low level, timer on/off, peak enable, and high alarm floats) control the operation. Timers internal to the PCB control the pump dosing cycles. When the liquid level activates the timer on float, the following operations occur:

1. Rest time
2. The pump turns on and the spin filter valve opens for the user-programmed length of time.
3. The spin filter valve closes and the pump continues to run for the user-programmed dose time.
4. The pump continues to run and the flush valve opens for the user-programmed length of time.
5. The pump turns off and the flush valve remains open for the user-programmed drain time.
6. The flush valve closes for the user-programmed off time.



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MODEL DP Control Panel

Subsurface Drip Panels Using Programmable Logic Control for Irrigation Systems.

The Model DP control panels are PLC-based (programmable logic control) panels designed to control one single phase (120V or 230V) pump and two valves (flush and spin valves) for irrigation systems. The PLC can be programmed to contain all timer settings and monitoring information for the system via a touch pad and screen displays. Each panel features these PLC log functions:

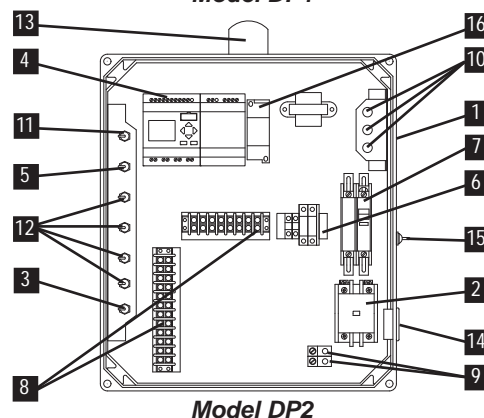
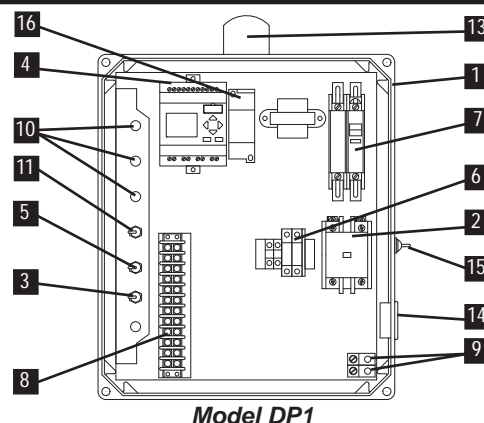
- Pump Elapsed Time Meter
- Pump Cycle Counter
- Pump Fail Counter
- High Alarm Counter
- Override Float Counter

PANEL COMPONENTS

1. **NEMA 4X enclosure** (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use) for Model DP1 measures 14" x 12" x 6" (35.56 x 30.48 x 15.24 cm); Model DP2 measures 16" x 14" x 6" (40.64 x 35.56 x 15.24 cm).
2. **Magnetic Motor Contactor** controls pump by switching electrical lines.
3. **HOA (Hand/Off/Automatic) Switch** for manual pump control.
4. **Programmable Logic Controller**
5. **HOA (Hand/Off/Automatic) Switch Flush Valve**
6. **Incoming Power Terminal Block/Pump/Control/Alarm**
7. **Circuit Breaker** provides pump disconnect and branch circuit protection.
8. **Float/Valves Terminal Block**
9. **Ground Lugs**
10. **Fuses**
11. **HOA (Hand/Off/Automatic) Spin Filter**
12. **HOA (Hand/Off/Automatic) Switch Zone Valves**

STANDARD ALARM PACKAGE

13. **Red Alarm Beacon** provides 360° visual check of alarm condition.
14. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).
15. **Exterior Alarm Test/Normal/Silence Switch** allows horn and light to be tested and horn to be silenced in alarm condition. Alarm automatically resets once alarm condition is cleared.
16. **Horn Silence Relay**



PANEL OPERATION

Four (4) float switches (low level float, timer on float, override float, and high level float) control the operation. Timers internal to the PLC control the pump dosing cycles. When the liquid level reaches the timer on float, the following operations occur:

1. The pump will turn on and the spin filter valve will be activated for the user-programmed length of time.
2. The spin filter valve will then close and the pump will continue to run for the user-programmed timer on or override timer on time.
3. The pump will continue to run and the flush valve will be activated for the user-programmed length of time.
4. The pump will then be turned off and the flush valve will remain on for the user-programmed drain time.
5. The flush valve will then close for the user-programmed off time.

After the user-programmed number of cycles, the flush valve will remain activated during a dose for each zone. This will occur until each zone has been fully activated.

PRICING/ORDERING INFORMATION

Part#	Description	VAC	List FLA	Price
1012290	Single Phase, Simplex, Subsurface Drip Irrigation - Programmable	120/230V	7-15	\$1751.00
1012291	Single Phase, Duplex, Subsurface Drip Irrigation - Programmable	120/230V	7-15	\$2268.00

FEATURES

- Entire control system (panel and switches) is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Standard package includes four 20' SJE MilliAmpMaster™ control switches
- Complete with step-by-step installation instructions
- Three-year limited warranty



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MODEL RP Control Panel

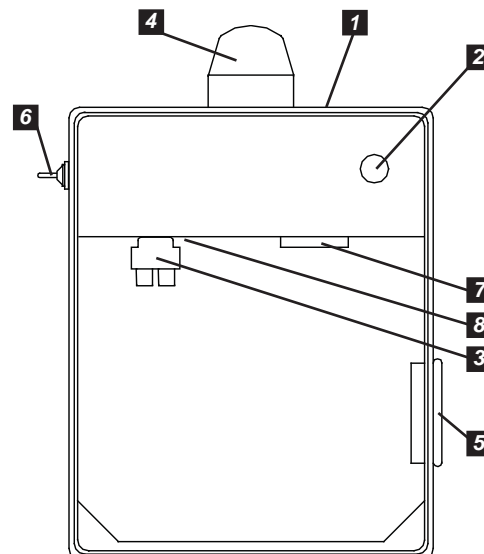
Single phase, simplex plug-in pump switch control.

The Model RP control panel provides customers with a reliable means of controlling one 120, 208, or 240 VAC single phase pump in water and wastewater installations. A pump switch turns the pump on and off. If an alarm condition occurs, an additional alarm switch activates the audio/visual alarm system. Common applications include pump chambers, sump pump basins, irrigation systems, and lift stations.

PANEL COMPONENTS

1. **Enclosure** measures 8 x 6 x 4 inch (20.32 x 15.24 x 10.16 cm) NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use).
2. **Alarm Fuse**
3. **Terminal Block**
4. **Red Alarm Beacon** provides 360° visual check of alarm condition.
5. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).
6. **Exterior Alarm Test/Normal/Silence Switch** allows horn and light to be tested and horn to be silenced in an alarm condition. **Note:** To place alarm system back into the normal mode after silencing the alarm, the switch must be manually placed into normal mode.
7. **Receptacle** for use with piggy-back pump switch.
8. **Ground Lug** (behind terminal block).

NOTE: Schematic/Wiring Diagram is located inside the panel on enclosure cover.



Indoor/Outdoor



FEATURES

- Entire control system (panel and switches) is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Standard package includes float switches
- Complete with step-by-step installation instructions
- Three-year limited warranty

SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

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RP__

1

W

1

0

MODEL RP1 OR RP2

MODEL RP1 - 120 VAC \$354.00

MODEL RP2 - 208/240 VAC \$368.00

ALARM PACKAGE☒ 1 = Alarm package (includes test/normal/silence switch, red light, horn and float) Base**ENCLOSURE RATING**☒ W = Weatherproof, NEMA 4X (engineered thermoplastic) Base**STARTING DEVICE**☐ 2 = SJE PumpMaster® Plus pump switch (0-15 FLA) - \$10.00☐ 3 = 120 VAC Double Float® pump switch (0-15 FLA) \$ 30.00☐ 4 = 240 VAC Double Float® pump switch (0-12 FLA) \$ 30.00☐ 5 = Super Single® pump switch (120V = 0-15 FLA) (208/240V = 0-12 FLA) Base☐ 6 = No pump switch - \$50.00☐ 7 = 120 VAC Double Float® Master pump switch (0-13 FLA) \$25.00☐ 8 = 240 VAC Double Float® Master pump switch (0-13 FLA) \$25.00**PUMP FULL LOAD AMPS**☒ 1 = 0-15 FLA Base**PUMP DISCONNECTS**☒ 0 = no pump disconnect Base**FLOAT SWITCH APPLICATION**☐ H or L = pump down or pump up (select 17 option) Base☐ X = no floats - \$25.00**OPTIONS** *Listed below*

Total Options

TOTAL LIST PRICE

CODE DESCRIPTION LIST PRICE

☐ 3A Alarm flasher \$45.00☐ 6A Auxiliary alarm contact, form C \$60.00☐ 10E Lockable latch \$20.00☐ 16A 10' cord in lieu of 20' (per float) -\$2.00

(Does not apply for Double Float® pump switch)

☐ 16B 15' cord in lieu of 20' (per float) -\$1.00☐ 16C 30' cord in lieu of 20' (per float) \$5.00☐ 16D 40' cord in lieu of 20' (per float) \$15.00☐ 17A SJE SignalMaster® (alarm float only) ● -\$2.00☐ 17E Sensor Float® Mini (alarm float only) ▲ -\$2.00☐ 17J Sensor Float® (alarm float only) ▲ \$0.00

● Mechanically-activated ▲ Mercury-activated

*If additional features are required, call the factory for a quote on an Engineered Custom control panel.***SAMPLE****MODEL**

RP1

1

W

2

1

0

H

3A 17A

Alarm Package

Enclosure Rating

Starting Device

Pump Full Load Amps

Pump Disconnect

Float Switch Application

Options: Flasher, SJE SignalMaster®

RP1 See List Price

1 Base

W Base

2 -\$10.00

1 Base

0 Base

H Base

3A \$45.00

17A -\$2.00

TOTAL LIST PRICE \$XXX.XX

JB PLUGGER System

Easy to install junction box provides convenient wiring connection for use with one single phase pump in effluent and sewage chambers.

This junction box provides a convenient location to connect all wiring required for a typical pumping station installation. The junction box employs a receptacle to accept a 120 VAC or 230 VAC piggy-back plug and a pump plug.

The JB Plugger also features an easy-to-use terminal strip which can be used for connecting an alarm system in the junction box.

The JB Plugger package ensures a liquid-tight seal and strain relief for the cable entering the junction box from the pumping station.



FEATURES

- NEMA 4X enclosure with hinged door.
- Separate alarm and pump control circuit.
- Receptacle for pump and pump switch (120V or 230V).
- Tank Alert® AB alarm system provides high or low level alarm (*optional*).
- Pump float provides pump control (*optional*).
- Control float provides alarm activation (*optional*).
- Riser extension coupling and washers.
- Custom engineered liquid-tight cable seal.
- Strain relief for pump and float cords provided by cord seal.
- Electrical conduit hub.
- Terminal strip for use with alarm system.
- Entire control system (panel and switches) is UL and cUL Listed to meet and/or exceed industry safety standards.
- Three-year limited warranty.

SPECIFICATIONS

VOLTAGE: 120 VAC or 230 VAC

ENCLOSURE: 6 x 6 x 4 inch (15.24 x 15.24 x 10.16 cm), NEMA 4X weatherproof thermoplastic

RECEPTACLE: 120 VAC NEMA type 5-15; 230 VAC NEMA type 6-15

CORD SEAL: Liquid-tight cord seal with strain relief



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JB Plugger System

Easy to install junction box provides convenient wiring connection for use with one single phase pump in effluent and sewage chambers.

120 VAC		List Price	Shipping Weight
Part #	Description		
1007936	JBP No alarm or floats	\$193.00	3.5 lbs.
1011917	JBP Tank Alert® AB & 15' SJE SignalMaster®	\$305.00	9.3 lbs.
1019753	JBP Tank Alert® AB, 15' SJE PumpMaster® & 15' SJE SignalMaster®	\$365.00	9.1 lbs.
1022723	JBP Tank Alert® AB, 15' Double Float® Master & 15' SJE SignalMaster®	\$430.00	11.1 lbs.
1024596	JBP 20A, Tank Alert® AB, 15' SJE PumpMaster® & 15' SJE SignalMaster®	\$372.00	9.1 lbs.
1024597	JBP 20A, Tank Alert® AB, 15' Double Float® Master & 15' SJE SignalMaster®	\$440.00	11.1 lbs.

230 VAC		List Price	Shipping Weight
Part #	Description		
1007937	JBP No alarm or floats	\$201.00	3.6 lbs.
1023120	JBP Tank Alert® AB & 15' SJE SignalMaster®	\$312.00	9.4 lbs.
1019754	JBP Tank Alert® AB, 15' SJE PumpMaster® & 15' SJE SignalMaster®	\$374.00	9.2 lbs.
1023121	JBP Tank Alert® AB, 15' Double Float® Master & 15' SJE SignalMaster®	\$441.00	11.2 lbs.

SPECIFICATIONS

VOLTAGE: 120 VAC or 230 VAC

ENCLOSURE 6 x 6 x 4 inch (15.24 x 15.24 x 10.16 cm)
NEMA 4X weatherproof thermoplastic with hinged door.

SEPARATE ALARM AND PUMP CONTROL SWITCH

RECEPTACLE FOR PUMP AND PUMP CIRCUIT 120V or 230V

RISER EXTENSION COUPLING AND WASHERS

CORD SEAL Custom engineered to provide liquid tight seal and provide strain relief for pump and float cords.

ELECTRICAL CONDUIT HUB



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Ultra Nator™ System

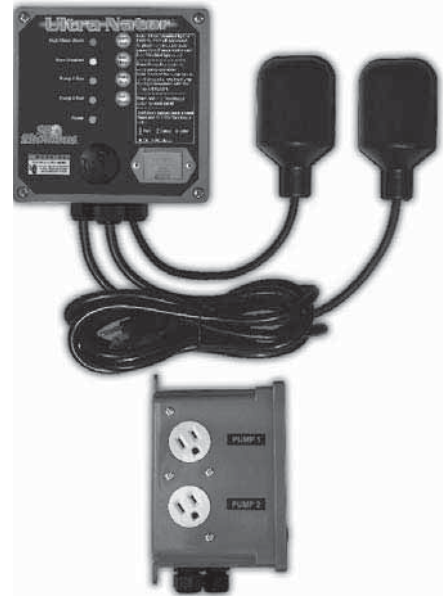
Designed to control two 120V single phase pumps using two receptacles for easy pump connections in indoor duplex pump applications. No wiring needed.

This Ultra Nator™ control and alarm system provides a convenient location for all wiring required for an indoor duplex pump application. The Ultra Nator™ employs two receptacles to accept two 120 VAC pump plugs.

In normal operation pumps will alternate based on the pump switch level. If an alarm condition occurs (top float activates), the alarm light and horn turn on. The pump in use will turn off and the other pump will turn on. Pumping will continue until the pump switch deactivates (bottom float).

FEATURES

- 120AC Voltage - Primary: 120 VAC, 60Hz; Secondary: 9 VDC
- If primary power fails, the alarm system continues to work due to battery backup feature. Battery Backup Power - 9VDC (Battery not included) (Battery backup will not run pumps)
- Pump failure indicator, alerts of potential pump problems.
- NEMA 1 rated for indoor use.
- Alternating pump action equalizes pump wear.
- Factory-installed 10ft power cord.
- Factory-installed pump activation and alarm activation switches for easy installations. (Various switch configurations available).
- Red LED high water indicator.
- Amber LED horn disabled indicator.
- Green LED pump run indicators (pump 1 & pump 2).
- Green LED power on indicator.
- Audible and visual high water alarm.
- Entire system is UL and cUL Listed to meet and/or exceed industry safety standards.
- Alarm test press button switch.
- Pump Run press button switch.
- Horn Silence press button switch.
- Test-Reset press button switch.
- Three-year limited warranty.
- Auxiliary Contacts (normally open and normally closed).



Shown with SJE MicroMaster® pump switches

SPECIFICATIONS

VOLTAGE: 120 VAC

OUTPUT CONTACT RATING: 4amp

ENCLOSURE: 6 x 6 x 4 inch (15.24 x 15.24 x 10.16 cm),
NEMA 1 thermoplastic

RECEPTACLES: 120 VAC NEMA
type 5-15

ALARM HORN: 95 decibels at 2 feet
(0.61 meters)

MAXIMUM CURRENT: 15 amps



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SEE BACK FOR ORDERING INFORMATION.

Ultra Nator™ System

Designed to control two 120V single phase pumps using two receptacles for easy pump connections in indoor duplex pump applications. No wiring needed.

120 VAC		List Price	Shipping Weight
Part #	Description		
1029624	Ultra Nator™ & two 10 foot SJE MicroMasters®	\$483.00	13 lbs.
1030108	Ultra Nator™ & two 10 foot SJE VerticalMaster® II	\$493.00	13 lbs.
1030109	Ultra Nator™ & one 10 foot SJE VerticalMaster® II & one 10 foot VRS	\$551.00	13 lbs.
1031346 <small>NEW</small>	Ultra Nator™ & two 20 foot SJE MicroMasters®	\$515.00	15 lbs.
1032893 <small>NEW</small>	Ultra Nator™ & two 20 foot SJE VerticalMaster® II	\$508.00	15 lbs.



SPECIFICATIONS

VOLTAGE: 120 VAC

OUTPUT CONTACT RATING: 4amp

ENCLOSURE: 6 x 6 x 4 inch (15.24 x 15.24 x 10.16 cm),
NEMA 1 thermoplastic

RECEPTACLES: 120 VAC NEMA type 5-15

ALARM HORN: 95 decibels at 2 feet (0.61 meters)

MAXIMUM CURRENT: 15 Amps

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Cat Page PN 1034962A© SJE-Rhombus 08/12

SJE Oil Spotter™ System

The SJE Oil Spotter™ system is designed to provide pump control and alarm notification of potentially threatening water and oil levels in simplex pumping applications.

The system features an innovative, factory-installed Oil Water Switch that senses the difference between oil and water to remove water from the tank, while preventing oil from entering the environment.

The Oil Water Switch features four probes (start level, stop level, high water level, reference for ground) and a mechanical high oil alarm float.

Common applications include elevator sump basins, transformer vaults, leachate well applications, garages or any application requiring ASME A17.1 compliance.

In normal operation, as water and oil enter the tank, the oil rises to create a floating layer on top of the water. The water level rises to reach the Start Probe, activating the pump to remove water from the tank. It continues pumping water out of the tank until the water level falls below the Stop Probe (5" pumping range).

If the water level continues to rise and reaches the High Water Probe, the red high water LED indicator illuminates and auxiliary contacts close (activating an optional Tank Alert® alarm or other remote device).

If the oil level rises to activate the mechanical High Oil Float, the red high oil LED indicator illuminates and auxiliary contacts close (activating an optional Tank Alert® alarm or other remote device).



SPECIFICATIONS

VOLTAGE:

120 VAC;
230 VAC

ENCLOSURE: 8 x 8 x 4 inch (20.32 x 20.32 x 10.16 cm), NEMA 1 indoor

RECEPTACLE:

120 VAC NEMA type 5-15;
230 VAC NEMA type 6-15

MAXIMUM CURRENT: 15 amps



FEATURES

- NEMA 1 rated for indoor use.
- Factory-installed 10ft power cord.
- SJE Oil Spotter™ Panel with LED indicators for:
 - High Water Indicator (red)
 - High Oil Indicator (red)
 - Pump Run Indicator (green)
 - Power Indicator (green)
- Factory-installed Oil Water Switch includes:
 - High Oil Float
 - High Water Probe
 - Start Probe
 - Stop Probe
 - Reference Probe
- Entire system is UL and cUL Listed to meet and/or exceed industry safety standards.
- Three-year limited warranty.

**SEE BACK FOR ORDERING INFORMATION.
SEE PRICE BOOK FOR LIST PRICE.**

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SJE Oil Spotter™ System

Designed to control one 120V or one 230V single phase pump using a receptacle for easy pump connections in indoor simplex pump applications. No wiring needed.

120 VAC		List Price	Shipping Weight
Part #	Description		
1033606	SJE Oil Spotter™ System	\$868.00	13 lbs.
1033578	SJE Oil Spotter™ System, Tank Alert® AB	\$945.00	15 lbs.
230 VAC		List Price	Shipping Weight
Part #	Description		
1037562	SJE Oil Spotter™ 230V System	\$888.00	13 lbs.
1037723	SJE Oil Spotter™ 230V System, Tank Alert® AB	\$965.00	15 lbs.

SEE PRICE BOOK FOR LIST PRICE.



SPECIFICATIONS

VOLTAGE: 120 VAC; 230VAC

ENCLOSURE: 8 x 8 x 4 inch (15.24 x 15.24 x 10.16 cm), NEMA 1 indoor

RECEPTACLE: 120 VAC NEMA type 5-15; 230 VAC NEMA type 6-15

MAXIMUM CURRENT: 15 Amps

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PS PATROL® System

Provides convenient wiring connection and system monitoring for pump station applications.

The PS Patrol® system features a built-in high water alarm and provides a convenient location to connect all wiring required for a pumping station installation. The PS Patrol® system also employs a receptacle to accept either a 120 VAC or 230 VAC pump and/or piggy-back style pump switch. Three PS Patrol® system models are available; a 120V, a 230V and a 9 VDC model.



U.S. Patent No. 7,218,511

STANDARD FEATURES

- Pedestal rated for outdoor use.
- Built-in high water alarm (except in PSAB model).
- Pull out assembly for easy wiring.
- Control switch provides alarm activation.
- Convenient test/normal/silence switch mounted externally for easy operation (except in PSAB model).
- 360° audio/visual check of alarm condition (except in PSAB model).
- PSAB model includes Tank Alert® AB alarm system (no built-in alarm).
- Complete step-by-step installation instructions.
- Separate 120V alarm and pump circuits.
- Receptacle for 120V or 230V pump and/or pump switch.
- Vent holes on side of post to help prevent moisture condensation inside.
- No external cords (except in PSAB model).
- CSA Certified.
- Three-year limited warranty.



9 VDC MODEL

- Requires only one incoming power for pump and alarm. If power failure occurs during an alarm condition, horn will operate on 9 volt DC battery back-up system.
- Liquid-tight cord seal for pump and pump switch.
- Strain relief for pump and pump switch cords provided by cord seal.

OPTIONS

- Mercury or mechanical pump switches.
- Various cord lengths.
- Assembly kit for 120V or 230V models only.
- Pump circuit breaker. (120V models only)

120V or 230V SPECIFICATIONS

ALARM VOLTAGE: 120 VAC, 50/60 Hz
PUMP VOLTAGE: 120 VAC or 230 VAC, 50/60 Hz
ENCLOSURE SIZE: 5" X 5" X 4' (12.7 x 12.7 x 121.9 cm)
RECEPTACLE: 120 VAC - NEMA type 5-15 or 230 VAC - NEMA type 6-15
ALARM FLOAT: SJE SignalMaster® control switch with mounting clamp
ALARM HORN: 83 to 85 decible rating

9 VDC SPECIFICATIONS

VOLTAGE: 120 VAC, 50/60 Hz
ENCLOSURE SIZE: 5" X 5" X 4' (12.7 x 12.7 x 121.9 cm)
ALARM VOLTAGE: 9 VDC
RECEPTACLE: 120 VAC - NEMA type 5-15
CORD SEAL: Liquid-tight cord seal with strain relief
ALARM FLOAT: SJE SignalMaster® control switch with mounting clamp
ALARM HORN: 83 to 85 decibel rating

PSAB ALARM SPECIFICATIONS

VOLTAGE FOR 120 VAC MODEL:
Primary: 120 VAC, 60 Hz, 2.4 watts max. (alarm condition)
Secondary: 9 VDC
BATTERY BACKUP POWER: 9 VDC
ALARM ENCLOSURE: 6 x 4 x 2.25 inch (15.24 x 10.16 x 5.71 cm), NEMA 1 plastic.
ALARM HORN: 87 decibels at 10 feet (3 meters)
POWER CORD: 6 foot (1.8 meter)
FLOAT SWITCH CONNECTION
TERMINAL: For float switch connection only. Do not apply power. (Voltage across terminals is 8-9 VDC).
FLOAT SWITCH: SJE SignalMaster® control switch with mounting clamp

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SEE BACKSIDE FOR PRICING/ORDERING INFORMATION.

PSP

MODEL PSP\$270.00

MODEL

☐ 120V Base

☐ 230V \$35.00

☐ 9V Base

☐ AB -\$24.00

STARTING DEVICE

☐ 1 = SJE PumpMaster® pump switch (0-13 FLA) \$45.00

☐ 2 = SJE PumpMaster® Plus pump switch (0-15 FLA) \$60.00

☐ 3 = 120 VAC Double Float® pump switch (0-15 FLA) \$95.00

☐ 4 = 230 VAC Double Float® pump switch (0-12 FLA) \$95.00

☐ 5 = Super Single® pump switch (120V = 0-15 FLA) (208/230V = 0-12 FLA) \$77.00

☐ 6 = No pump switch Base

☐ 7 = 120 VAC Double Float® Master pump switch (0-15 FLA) \$90.00

☐ 8 = 240 VAC Double Float® Master pump switch (0-15 FLA) \$90.00

FLOAT SWITCH APPLICATION

☐ H = pump down (select 17 option) Base

☐ X = no floats -\$25.00

OPTIONS *Listed below*

Total Options

TOTAL LIST PRICE

Part Number	Model Number	Description	FLA	List Price	Ship Weight
1022728	PSP120V6H17A	PSP 120V, 120V alarm, no pump switch	0-15	\$268.00	13 lbs.
1018903	PSP120V6H150P17J	PSP 120V, 120V alarm, no pump switch, 15A circuit breaker	0-7	\$330.00	13 lbs.
1019021	PSP120V6H151P17J	PSP 120V, 120V alarm, no pump switch, 20A circuit breaker	7-15	\$330.00	13 lbs.
1018429	PSP120V1H17J	PSP 120V, 120V alarm, 20' SJE PumpMaster®	0-13	\$315.00	14 lbs.
1022575	PSP120V6H8A17A	PSP 120V, 120V alarm, ETM, 20' SJE SignalMaster®	0-15	\$343.00	14 lbs.
1022577	PSP120V6H1JV8A17A	PSP 120V, 120V Duo alarm, ETM, 20' SJE SignalMaster® & VRS	0-15	\$478.00	15 lbs.
1018426	PSP9V6H17J	PSP 120V, 9VDC alarm, no pump switch	0-15	\$270.00	15 lbs.
1018434	PSAB6H16B17A	PSP, 120V TAAB alarm, 15' SJE SignalMaster®	0-15	\$246.00	16 lbs.
1011551	Assembly Kit	Riser Extension Coupling and Washers	n/a	\$60.68	10 lbs.

CODE	DESCRIPTION	LIST PRICE	CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/> 1J	Duo alarm inputs	\$70.00	<input type="checkbox"/> 15_P	Pump breaker (120V only)	\$60.00
<input type="checkbox"/> 1V	Vertical Reed Switch	\$65.00		(Not available with 1J or 8A)	
	(must select 1J)			specify 0 or 1 after number 15 followed by letter "P"	
<input type="checkbox"/> 8A	Elapsed time meter (120V only)	\$75.00		0 = 15 amp breaker (0-7 FLA)	
<input type="checkbox"/> 16A	10' cord in lieu of 20' (per float)	-\$2.00		1 = 20 amp breaker (7-15 FLA)	
	(Does not apply for Double Float® pump switch)			(Ex. 151P = 20 amp breaker, 7-15 FLA)	
<input type="checkbox"/> 16B	15' cord in lieu of 20' (per float)	-\$1.00	<input type="checkbox"/> 17A	SJE SignalMaster® / pipe clamp (alarm float) ●	-\$2.00
<input type="checkbox"/> 16C	30' cord in lieu of 20' (per float)	\$5.00	<input type="checkbox"/> 17J	Sensor Float® / pipe clamp (alarm float) ▲	\$0.00
<input type="checkbox"/> 16D	40' cord in lieu of 20' (per float)	\$7.00	<input type="checkbox"/> 22F	PSP Assembly Kit (120V or 230V only)	\$55.00

● Mechanically-activated ▲ Mercury-activated

SAMPLE

MODEL

120V Alarm Model

Starting Device

Float Switch Application

Options: 30' Cord in lieu of 20',

SJE SignalMaster®

PSP See List Price

120V Base

2 \$60.00

H Base

16C \$10.00

17A -\$2.00

TOTAL LIST PRICE \$XXX.XX

MODEL 126 Control Panel

Single phase, duplex alternating pump control with override.

The Model 126 control panel is designed to alternately control two 120, 208, or 240 VAC single phase pumps in water well installations. The alternating action provides alternation between two wells. In addition to the alternating pump control, this system provides override control to maintain system pressure upon high demand or should either pump fail.

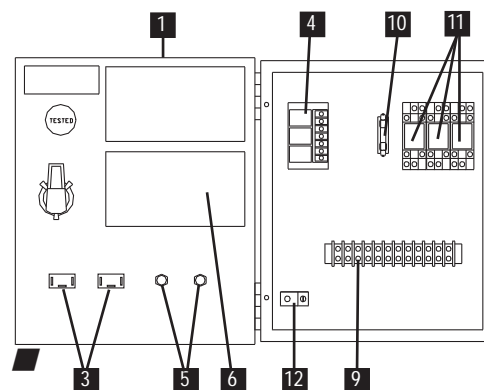
PANEL COMPONENTS

1. Enclosure

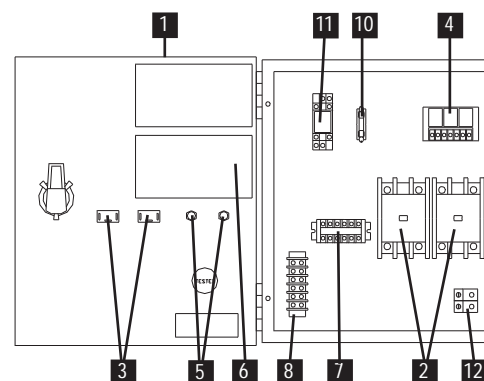
Model 1260I000X: measures 10 x 8 x 4 inches (25.4 x 20.32 x 10.16 cm). Choice of NEMA 1 (steel for indoor use) or NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for indoor/outdoor use).

Model 1260I120X: measures 12 x 10 x 6 inches (30.48 x 25.4 x 15.24 cm). Choice of NEMA 1 (steel for indoor use) or NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for indoor/outdoor use).

2. **Magnetic Motor Contactors** (Model: 1260I120X) control pumps by switching electrical lines.
3. **HOA Switches** for manual pump control.
4. **Alternating Circuit Board** provides pump control and alternation (U.S. Patent # 5,909,532).
5. **Green Pump Run Indicator Lights**
6. **Field Wiring Label**
7. **Incoming Pump Power/Control Power Terminal Block**
8. **Pressure Switch Terminal Block**
9. **Control Power/Pressure Switch Terminal Block**
10. **Control Fuse**
11. **Control Relay** provides lag function.
12. **Ground Lugs**



Model Shown 1260I000X
(without contactors)



Model Shown 1260I120X
(with contactors)

FEATURES

- Entire control system is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Complete with step-by-step installation instructions
- Three-year limited warranty



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SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

	126	0				0	X		
MODEL 126									\$553.00
<input checked="" type="checkbox"/> ALARM PACKAGE									
0 = no alarm package.....								Base	
ENCLOSURE RATING									
I = Indoor, NEMA 1 (metal).....								Base	
W = Weatherproof, NEMA 4X (engineered thermoplastic).....								\$50.00	
STARTING DEVICE									
0 = no starting device - control only (must select "0" for pump full load amps).....								Base	
1 = magnetic motor contactor 120/208/240V.....								\$80.00	
PUMP FULL LOAD AMPS									
0 = 0-7 FLA.....								Base	
1 = 7-15 FLA.....								Base	
2 = 15-20 FLA.....								Base	
3 = 20-30 FLA.....								\$18.00	
PUMP DISCONNECTS									
0 = no pump disconnect.....								Base	
SWITCH APPLICATION									
X = no pressure switches.....								Base	
OPTIONS <i>Listed below</i>									
								Total Options	
								TOTAL LIST PRICE	

CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/> 6T	Normally open non-powered chemical feed pump contacts.....	\$60.00
<input type="checkbox"/> 10E	Lockable latch - NEMA 4X.....	\$40.00
<input type="checkbox"/> 10E	Lockable latch - NEMA 1.....	\$50.00

If additional features are required, call the factory for a quote on an Engineered Custom control panel.

SAMPLE

	126	0	I	1	1	0	X	6T 10E	
MODEL									126 See List Price
Alarm Package									0 Base
Enclosure Rating									I Base
Starting Device									1 Base
Pump Full Load Amps									1 Base
Pump Disconnect									0 Base
Switch Application									X Base
Options: Normally Open Non-Powered									6T .....\$60.00
Chemical Feed Pump Contacts, Lockable Latch									10E .....\$50.00
									TOTAL LIST PRICE \$XXX.XX

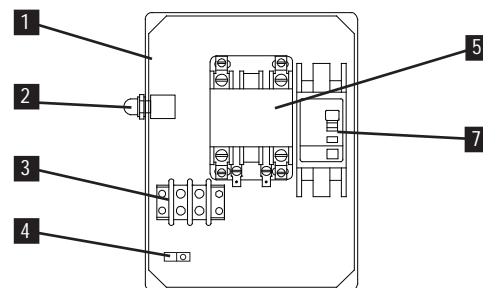
Starter Boxes

Single phase and three phase starter boxes

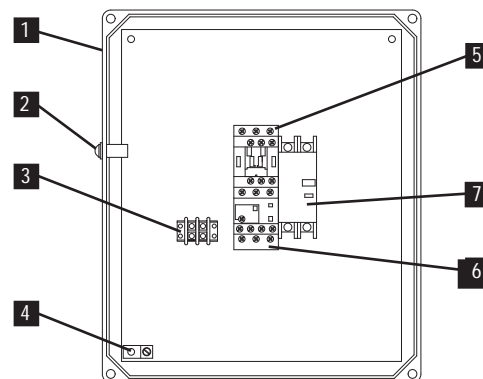
Single phase and three phase starter boxes provide a reliable means of controlling either one 240 VAC single phase motor, one 208 VAC three phase motor, one 240 VAC three phase motor, or one 480 VAC three phase motor in water, wastewater, and sewage installations. Starter Boxes utilize a wide angle float switch to activate a magnetic motor contactor to turn the motor on and off. Three phase models also have an adjustable overload that allows for easy adjustment of motor overload current. Common applications include pump chambers, sump pump basins, irrigation systems, lift stations, and air compressor systems.

PANEL COMPONENTS

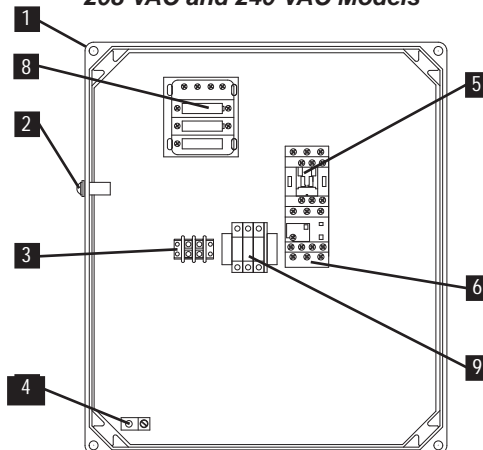
1. **Enclosure** for single phase version measures 8 x 6 x 4 inches (20.32 x 15.24 x 10.16 cm) **Enclosure** for three phase 208 & 240V version measures 14 x 12 x 6 inches (35.56 x 30.48 x 15.24 cm). **Enclosure** for 480V version measures 16 x 14 x 6 inches (40.64 x 35.25 x 15.24 cm). NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use).
2. **Hand Switch** for manual pump control.
3. **Terminal Block (Motor Start)**
4. **Ground Lug**
5. **Magnetic Motor Contactor** controls pump by switching electrical lines.
6. **Adjustable Motor Overload** (three phase only)
7. **Control Breaker** (208 VAC & 240 VAC versions)
8. **Multi-Tap Transformer** (480 VAC primary) provides fused 120 VAC control voltage.
9. **Incoming Power Terminal Block** (480 VAC version)



**Single Phase
240 VAC Model**



**Three Phase
208 VAC and 240 VAC Models**



**Three Phase
480 VAC Model**

FEATURES

- Entire control system is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Complete with installation instructions
- Three-year limited warranty



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Starter Boxes

SINGLE PHASE - 240 VAC

Part Number	Description	Phase	AC Voltage	FLA	List Price	Ship Weight
1022858	Starter Box	Single	240V	32	\$247.00	4 lbs.

THREE PHASE - 208 VAC

Part Number	Description	Phase	AC Voltage	FLA	List Price	Ship Weight
1029453	Starter Box	Three	208V	2.5-4	\$512.00	4 lbs.
1029454	Starter Box	Three	208V	4-6	\$512.00	4 lbs.
1029455	Starter Box	Three	208V	5.5-8	\$512.00	4 lbs.
1029456	Starter Box	Three	208V	7-10	\$512.00	4 lbs.
1029457	Starter Box	Three	208V	9-13	\$512.00	4 lbs.
1025750	Starter Box	Three	208V	12-18	\$512.00	4 lbs.
1025751	Starter Box	Three	208V	16-24	\$534.00	4 lbs.
1025752	Starter Box	Three	208V	23-32	\$534.00	4 lbs.
1025753	Starter Box	Three	208V	30-40	\$618.00	4 lbs.
1025754	Starter Box	Three	208V	37-50	\$618.00	4 lbs.

THREE PHASE - 240 VAC

Part Number	Description	Phase	AC Voltage	FLA	List Price	Ship Weight
1029458	Starter Box	Three	240V	2.5-4	\$512.00	4 lbs.
1029459	Starter Box	Three	240V	4-6	\$512.00	4 lbs.
1029460	Starter Box	Three	240V	5.5-8	\$512.00	4 lbs.
1029461	Starter Box	Three	240V	7-10	\$512.00	4 lbs.
1029462	Starter Box	Three	240V	9-13	\$512.00	4 lbs.
1025717	Starter Box	Three	240V	12-18	\$512.00	4 lbs.
1025716	Starter Box	Three	240V	16-24	\$534.00	4 lbs.
1025715	Starter Box	Three	240V	23-32	\$534.00	4 lbs.
1025749	Starter Box	Three	240V	30-40	\$618.00	4 lbs.
1025661	Starter Box	Three	240V	37-50	\$618.00	4 lbs.

THREE PHASE - 480 VAC

Part Number	Description	Phase	AC Voltage	FLA	List Price	Ship Weight
1029463	Starter Box	Three	480V	2.5-4	\$786.00	8 lbs.
1029464	Starter Box	Three	480V	4-6	\$786.00	8 lbs.
1029465	Starter Box	Three	480V	5.5-8	\$786.00	8 lbs.
1029466	Starter Box	Three	480V	7-10	\$786.00	8 lbs.
1029467	Starter Box	Three	480V	9-13	\$786.00	8 lbs.
1025755	Starter Box	Three	480V	12-18	\$786.00	8 lbs.
1025756	Starter Box	Three	480V	16-24	\$822.00	8 lbs.
1025757	Starter Box	Three	480V	23-32	\$822.00	8 lbs.
1025758	Starter Box	Three	480V	30-40	\$897.00	8 lbs.
1025718	Starter Box	Three	480V	37-50	\$897.00	8 lbs.



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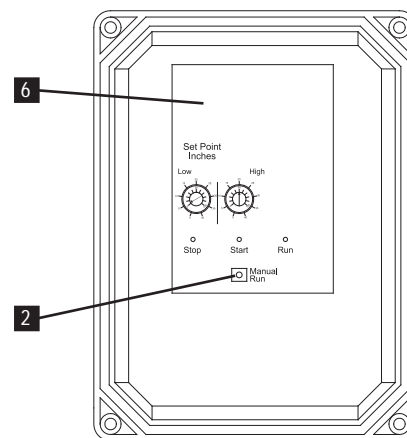
C-Level™ Starter Boxes

Single phase starter boxes with C-Level™ sensor.

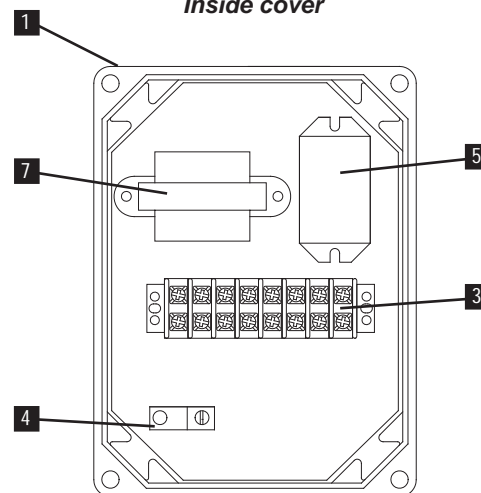
Single phase starter boxes provide a reliable means of controlling a 120 VAC single phase motor. C-Level™ Starter Boxes utilize a C-Level™ sensor to activate a power relay to turn the motor on and off. Common applications include pump chambers, sump pump basins, lift stations, dewatering and rain water harvesting.

PANEL COMPONENTS

1. **Enclosure** measures 8 x 6 x 4 inches (20.32 x 15.24 x 10.16 cm). NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use).
2. **Manual Run Switch** for manual pump control.
3. **Terminal Block (Incoming power, motor and C-Level™ sensor)**
4. **Ground Lug**
5. **Power Relay** controls motor by switching electrical lines.
6. **Printed Circuit Board** (high and low level set points, stop, start, and motor run LED indicators)
7. **Transformer** (120 to 24 VAC) control voltage.



Inside cover



Inside panel



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SEE PRICE BOOK FOR LIST PRICE.

C-Level™ Starter Boxes

Single phase starter boxes with C-Level™ sensor.

SINGLE PHASE - 120 VAC						
Part Number	Description	Phase	AC Voltage	FLA	List Price	Ship Weight
1033523	Starter Box, 120V, with 20 ft C-Level™ with power cord	Single	120V	0-15	\$788.00	4 lbs.
1033536	Starter Box, 120V, with 20 ft C-Level™ without power cord	Single	120V	0-15	\$747.00	4 lbs.

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TANK ALERT® AB Alarm System

Easy-to-install liquid level alarm system with auto-reset and battery backup features for indoor use.

This alarm system monitors liquid levels in lift pump chambers, sump pump basins, holding tanks, sewage, agricultural, and other water applications.

The Tank Alert® AB alarm system can serve as a high or low level alarm depending on the float switch model used.

The alarm horn sounds when a potentially threatening liquid level condition occurs. The horn can be silenced, but the alarm light remains on until the condition is remedied. Once the condition is cleared, the alarm will automatically reset.

A green "Power On" light indicates 120 VAC primary power to the alarm. Low battery chirp feature indicates when battery should be replaced.



ALARM SYSTEMS

FEATURES

- NEMA 1 enclosure, designed for ease of installation, rated for indoor use.
- Automatic alarm reset.
- Red "alarm" light and green "power on" light, alarm "test" switch, and horn "silence" switch.
- Alarm horn sounds at 87 decibels at 10 feet (3 meters).
- Can be used with any UL Listed / Recognized switching mechanism rated to include 1 amp, 9 VDC load.
- If primary power fails, the alarm system continues to work due to battery backup feature. (Battery not included.)
- Complete package includes standard SJE SignalMaster® control switch with 15 feet (4.57 meters) of cable (other lengths available) and mounting clamp.
- Switching mechanism operates on low voltage and is isolated from the power line to reduce the possibility of shock.
- Low battery chirp.
- Easy access battery compartment.
- External terminal block for easy float switch installation.
- CSA Certified.
- UL Listed.
- Three-year limited warranty.



OPTIONS

When ordered with the alarm, this system is available with:

- alternate float switch models for high or low level warning.
- auxiliary dry normally open and normally closed contacts.
(Tank Alert® AB with auxiliary contacts included is CSA certified only.)
- splice kit.

SPECIFICATIONS

VOLTAGE FOR 120 VAC MODEL:

Primary: 120 VAC, 60 Hz, 2.4 watts max.
(alarm condition)
Secondary: 9 VDC

BATTERY BACKUP POWER: 9 VDC

ALARM ENCLOSURE: 6 x 4 x 2.25 inch
(15.24 x 10.16 x 5.71 cm), NEMA 1 plastic.

ALARM HORN: 87 decibels at 10 feet
(3 meters)

POWER CORD: 6 foot (1.8 meter)

FLOAT SWITCH CONNECTION TERMINAL:

For float switch connection only. Do not apply power. (Voltage across terminals is 8-9 VDC).

FLOAT SWITCH: SJE SignalMaster® control switch with mounting clamp

Cable: 15 feet (4.57 meters), flexible 18 gauge, 2 conductor (UL) SJOW, water-resistant (CPE)

Float: 2.74 inch diameter x 4.83 inch long (7.0 cm x 12.3 cm), high impact, corrosion resistant polypropylene housing for use in sewage and water up to 140°F (60°C)

AUXILIARY ALARM CONTACTS (OPTIONAL):

(CSA certified only unit)

Voltage: 120 VAC

Current: 5 amps maximum N/O
3 amps maximum N/C

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SEE BACKSIDE FOR ORDERING INFORMATION.

TANK ALERT® AB Alarm System

Easy-to-install liquid level alarm system with auto-reset and battery backup features for indoor use.

ORDERING INFORMATION

120 VAC		List Price	Shipping Weight
Part #	Description		
1011421	TA AB-01H (120 VAC w/15' SJE SignalMaster® High Level)	\$103.28	2.73 lbs.
1011424	TA AB-01L (120 VAC w/15' SJE SignalMaster® Low Level)	\$103.28	2.73 lbs.
1011422	TA AB-01H (120 VAC w/15' Sensor Float® High Level)	\$106.73	2.81 lbs.
1011423	TA AB-01X (120 VAC no float)	\$76.04	1.44 lbs.

H = High Level L = Low Level X = No Float

MASTER CARTON holds 16 boxed units.

OPTIONS

CONTROL SWITCH OPTIONS

The Tank Alert® AB alarm system comes standard with a 15ft **SJE SignalMaster®** control switch with mounting clamp. Other float switches are available. See control switch section of the catalog.

To determine the price of alarm with an alternate float, add the price of the part number with "no float" to the price of the float switch.



SPECIFICATIONS

VOLTAGE FOR 120 VAC MODEL:

Primary: 120 VAC, 50/60 Hz, 2.4 watts max. (alarm condition)

Secondary: 9 VDC

BATTERY BACKUP POWER: 9 VDC

ALARM ENCLOSURE: 6 x 4 x 2.25 inches (15.24 x 10.16 x 5.71 cm), NEMA 1 plastic

ALARM HORN: 87 decibels at 10 feet (3 meters)

AUXILIARY ALARM CONTACTS (OPTIONAL): 120 VAC, 5 amps max N/O, 3 amp max N/C (CSA certified only unit)

POWER CORD: 6 foot (1.8 meter)

FLOAT SWITCH CONNECTION TERMINAL: for float switch connection only (voltage across terminals is 8-9 VDC)

FLOAT SWITCH: SJE SignalMaster® control switch with mounting clamp

CABLE: 15 feet (4.57 meters), flexible 18 gauge, 2 conductor (UL) SJOW, water resistant (CPE)

FLOAT: 2.74 inch diameter x 4.83 inch long (7.0 cm x 12.3 cm), high impact, corrosion resistant polypropylene housing for use in sewage and water up to 140°F (60°C)

OTHER INFORMATION

Option	Description	Price
AUX	Auxiliary Alarm Contacts (CSA certified only unit, factory installed)	\$17.25

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TANK ALERT® AB DUO Alarm System

Easy-to-install dual liquid level alarm system with auto-reset and battery backup features for indoor use.

This alarm system monitors two separate liquid levels in lift pump chambers, sump pump basins, holding tanks, sewage, agricultural, filters, and other water applications.

The alarm horn and red "alarm 1" LED indicator activates when an alarm 1 condition occurs. The alarm horn and yellow "alarm 2" LED indicator activates when an alarm 2 condition occurs.

A green "Power On" light indicates 120 VAC primary power to the alarm. Low battery chirp feature indicates when battery should be replaced.

The Tank Alert® AB DUO alarm system can serve as a high or low level alarm or filter alarm depending on the float switch model used.



ALARM SYSTEMS

FEATURES

- NEMA 1 enclosure, designed for ease of installation, rated for indoor use.
- Automatic alarm reset.
- Red "alarm 1" light, yellow "alarm 2" light, and green "power on" light, alarm "test" switch, and horn "silence" switch.
- Alarm horn sounds at 87 decibels at 10 feet (3 meters).
- Can be used with any switching mechanism rated to include 1 amp, 9 VDC load.
- If primary power fails, the alarm system continues to work due to battery backup feature (battery not included).
- Complete package includes standard SJE SignalMaster® control switch with 15 feet (4.57 meters) of cable and mounting clamp.
- Switching mechanism operates on low voltage and is isolated from the power line to reduce the possibility of shock.
- Low battery chirp.
- Easy access battery compartment.
- External terminal block for easy float switch installation.
- CSA Certified.
- Three-year limited warranty.

OPTIONS

When ordered with the alarm, the system is available with:

- Auxiliary dry normally open and normally closed contacts

SPECIFICATIONS

VOLTAGE FOR 120 VAC MODEL:

Primary: 120 VAC, 60 Hz, 2.4 watts max.
(alarm condition)
Secondary: 9 VDC

BATTERY BACKUP POWER: 9 VDC

ALARM ENCLOSURE: 6 x 4 x 2.25 inch
(15.24 x 10.16 x 5.71 cm), NEMA 1 plastic.

ALARM HORN: 87 decibels at 10 feet
(3 meters)

POWER CORD: 6 foot (1.8 meter)

AUXILIARY ALARM CONTACTS (OPTIONAL):

Voltage: 120 VAC
Current: 0.5 amps maximum

FLOAT SWITCH CONNECTION TERMINALS:

For float switch connection only. Do not apply power. (Voltage across terminals is 8-9 VDC).

FLOAT SWITCH: SJE SignalMaster® control switch with mounting clamp

Cable: 15 feet (4.57 meters), flexible 18 gauge, 2 conductor (UL) SJOW, water-resistant (CPE)

Float: 2.74 inch diameter x 4.83 inch long (7.0 cm x 12.3 cm), high impact, corrosion resistant polypropylene housing for use in sewage and water up to 140°F (60°C)



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SEE BACKSIDE FOR ORDERING INFORMATION.
SEE PRICE BOOK FOR LIST PRICE.

TANK ALERT® AB DUO Alarm System

Easy-to-install dual liquid level alarm system with auto-reset and battery backup features for indoor use.

ORDERING INFORMATION

120 VAC		List Price	Shipping Weight
Part #	Description		
1036378	TA AB DUO-01H (120 VAC w/15' SJE SignalMaster® High Level)	\$168.00	2.73 lbs

120 VAC WITH AUXILIARY CONTACTS		List Price	Shipping Weight
Part #	Description		
1038473	TA AB DUO-01HA (120 VAC w/15' SJE SignalMaster® High Level w/Aux Con.)	\$185.25	2.75 lbs



H = High Level A = Auxiliary Contacts

MASTER CARTON holds 16 boxed units.
SEE PRICE BOOK FOR LIST PRICE.

SPECIFICATIONS

VOLTAGE FOR 120 VAC MODEL:

Primary: 120 VAC, 50/60 Hz, 2.4 watts max. (alarm condition)
Secondary: 9 VDC

BATTERY BACKUP POWER: 9 VDC

ALARM ENCLOSURE: 6 x 4 x 2.25 inches (15.24 x 10.16 x 5.71 cm), NEMA
1 plastic

ALARM HORN: 87 decibels at 10 feet (3 meters)

POWER CORD: 6 foot (1.8 meter)

AUXILIARY ALARM CONTACTS (OPTIONAL): Voltage: 120 VAC;
Current: 0.5 amps maximum

FLOAT SWITCH CONNECTION TERMINALS: for float switch connections
only (voltage across terminals is 8-9 VDC)

FLOAT SWITCH: SJE SignalMaster® control switch with mounting clamp

CABLE: 15 feet (4.57 meters), flexible 18 gauge, 2 conductor (UL)
SJOW, water resistant (CPE)

FLOAT: 2.74 inch diameter x 4.83 inch long (7.0 cm x 12.3 cm), high
impact, corrosion resistant polypropylene housing for use in sewage
and water up to 140°F (60°C)

OTHER INFORMATION

Option	Description	Price
A UX	Auxiliary Alarm Contacts (factory installed)	\$17.25

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TANK ALERT® I Alarm System

Easy-to-install liquid level alarm system for indoor use.

This alarm system monitors liquid levels in lift pump chambers, sump pump basins, holding tanks, sewage, agricultural, and other water applications.

The **Tank Alert® I** alarm system can serve as a high or low level alarm depending on the float switch model used.

The alarm horn sounds when a potentially threatening liquid level condition occurs. The horn can be silenced, but the warning light remains on until the condition is remedied. A green "power on" light indicates power to the alarm panel.



FEATURES

- NEMA 1 enclosure, designed for ease of installation, rated for indoor use.
- Red "alarm" light, green "power on" light, alarm "test" switch, and horn "silence" switch.
- Alarm horn sounds at 86 decibels at 10 feet (3 meters).
- Can be used with any UL Listed / Recognized switching mechanism rated to include 1 amp, 12 VAC load.
- Alarm system (when installed on separate circuit) operates even if the pump circuit fails.
- Complete package includes standard SJE SignalMaster® control switch with 15 feet (4.57 meters) of cable (other lengths available) and mounting clamp.
- Switching mechanism operates on low voltage and is isolated from the power line to reduce the possibility of shock.
- UL Listed.
- CSA Certified.
- Three-year limited warranty.



OPTIONS

When ordered with the alarm, this system is available with:

- alternate float switch models for high or low level warning.
- 120 VAC primary voltage or 230 VAC primary voltage (230 VAC model is not UL Listed or CSA Certified).

SPECIFICATIONS

VOLTAGE FOR 120 VAC MODEL:

Primary: 120 VAC, 50/60 Hz, 5 watts max. (alarm condition)

Secondary: 12 VAC

VOLTAGE FOR 230 VAC MODEL:

(not UL Listed or CSA Certified)

Primary: 230 VAC, 50/60 Hz, 5 watts max. (alarm condition)

Secondary: 12 VAC

ALARM ENCLOSURE: 6 x 4 x 2.5 inch
(15.24 x 10.16 x 6.35 cm), NEMA 1 metal

ALARM HORN: 86 decibels at 10 feet
(3 meters)

POWER CORD: 6 foot (1.8 meter)

FLOAT SWITCH CONNECTION TERMINAL:

For float switch connection only. Do not apply power. (Voltage across terminals is 12 VAC. Maximum line impedance for initiating device: 5 ohms).

FLOAT SWITCH: SJE SignalMaster® control switch with mounting clamp

Cable: 15 feet (4.57 meters), flexible 18 gauge, 2 conductor (UL) SJOW, water-resistant (CPE)

Float: 2.74 inch diameter x 4.83 inch long (7 cm x 12.3 cm), high impact, corrosion resistant polypropylene housing for use in sewage and non-potable water up to 140°F (60°C)

SEE BACKSIDE FOR ORDERING INFORMATION.

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TANK ALERT® I Alarm System

Easy-to-install liquid level alarm system for indoor use.

ORDERING INFORMATION

120 VAC		List Price	Shipping Weight
Part #	Description		
1007457	101-01H (120 VAC w/15' SJE SignalMaster® High Level)	\$121.96	3.58 lbs.
1009207	101-01HSPKT (120 VAC w/15' SJE SignalMaster® High Level) with splice kit	\$128.66	3.58 lbs.
1003104	101-01H (120 VAC w/15' SJE Sensor Float® High Level)	\$126.04	3.58 lbs.
1003365	101-01L (120 VAC w/15' SJE Sensor Float® Low Level)	\$126.04	3.58 lbs.
1002235	101-01X (120 VAC no float)	\$88.02	2.14 lbs.

230 VAC		List Price	Shipping Weight
Part #	Description		
1008009	101-02H (230 VAC w/15' SJE SignalMaster® High Level)	\$170.75	3.58 lbs.
1003364	101-02H (230 VAC w/15' SJE Sensor Float® High Level)	\$174.85	3.58 lbs.
1005420	101-02L (230 VAC w/15' SJE Sensor Float® Low Level)	\$174.85	3.58 lbs.
1005419	101-02X (230 VAC no float)	\$136.82	2.14 lbs.

H = High Level L = Low Level X = No Float SPKT = Splice Kit

MASTER CARTON holds 16 boxed units.

SPECIFICATIONS

VOLTAGE FOR 120 VAC MODEL:

Primary: 120 VAC, 50/60 Hz, 5 watts max. (alarm condition)

Secondary: 12 VAC

VOLTAGE FOR 230 VAC MODEL: (not UL Listed or CSA Certified)

Primary: 230 VAC, 50/60 Hz, 5 watts max. (alarm condition)

Secondary: 12 VAC

ALARM ENCLOSURE: 6 x 4 x 2.5 inches (15.24 x 10.16 x 6.35 cm), NEMA 1 metal

ALARM HORN: 86 decibels at 10 feet (3 meters)

POWER CORD: 6 feet (1.8 meters)

FLOAT SWITCH CONNECTION TERMINAL: for float switch connection only.
Do not apply power. Voltage across terminals is 12 VAC

FLOAT SWITCH: SJE SignalMaster® control switch with mounting clamp

CABLE: 15 feet (4.57 meters), flexible 18 gauge, 2 conductor (UL) SJOW, water-resistant (CPE)

FLOAT: 2.74 inch diameter x 4.83 inch long (7 cm x 12.3 cm), high impact, corrosion resistant polypropylene housing for use in sewage and non-potable water up to 140°F (60°C)

MAXIMUM WATER DEPTH: 30 feet (9 meters), 13 psi

ELECTRICAL: 5 amps, 125 VAC/250 VAC, 50/60 Hz

OPTIONS

CONTROL SWITCH OPTIONS

The Tank Alert® I alarm system comes standard with a 15 foot SJE SignalMaster® control switch with mounting clamp. Other float switches are available. See control switch section of the catalog.

To determine the price of alarm with an alternate float, add the price of the part number with "no float" to the price of the float switch.

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TANK ALERT® EZ Alarm System

Innovative, indoor or outdoor liquid level alarm system.

This alarm system monitors liquid levels in lift pump chambers, sump pump basins, holding tanks, sewage, agricultural, and other water applications.

The **Tank Alert® EZ** indoor/outdoor alarm can serve as a high or low level alarm depending on the float switch model used. This easy to install alarm features an innovative, sleek 2-color molded enclosure which integrates the LED red translucent beacon.

The alarm sounds and the upper housing half illuminates when a potentially threatening liquid level condition occurs. The audible alarm can be silenced by pressing the Test/Silence button, but the alarm light will remain on until the condition is remedied. Once the condition is cleared, the alarm will automatically reset. A green "Power On" light indicates power to the alarm panel.



Patents Pending

ALARM SYSTEMS

FEATURES

- 2-color molded enclosure offers a distinct look; upper translucent half illuminates in alarm condition.
- Removable lower cover provides greater access for easier field wiring while the internal circuitry remains protected.
- Interlocking enclosure features unique sound chamber to amplify the horn, while helping prevent moisture from entering.
- External mounting tabs for easy installation.
- Enclosure meets Type 3R water-tight standards.
- Enclosure has indicator marks on bottom for easy placement of cord entry locations.
- Automatic alarm reset, horn silence switch, and alarm test switch.
- Alarm horn sounds at 82 decibels at 10 feet (3 meters)
- Alarm system (when installed on separate circuit) operates even if pump circuit fails.
- Green power on indicator.
- Includes auxiliary alarm contacts for easy attachment of remote devices.
- Complete package includes standard SJE SignalMaster® control switch with 15 feet (4.57 meters) of cable (other lengths available) and mounting clamp.
- CSA Certified.
- Three-year limited warranty.



Member of
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ELECTRICAL

OPTIONS

When ordered with the alarm, the system is available with:

- alternate float switch models for high or low liquid level warning.
- premounted terminal block so enclosure can also be used as a junction box for splicing pump, pump switch, and pump power. Meets NEC standard for junction boxes.
- 6 foot (1.8 meter) power cord with 120 VAC plug and liquid tight connector (120V Model only).

SPECIFICATIONS

VOLTAGE:

120 VAC Model:

Primary: 120 VAC, 50/60 Hz, 3.8 watts max. (alarm condition)

Secondary: 9 VDC

240 VAC Model:

Primary: 240 VAC, 50/60 Hz, 3.8 watts max. (alarm condition)

Secondary: 9 VDC

ALARM ENCLOSURE: 6.7 x 5.3 x 2.5 inch (17.02 x 13.46 x 6.35 cm), indoor-outdoor, weatherproof, thermoplastic meets Type 3R water-tight standard

ALARM HORN: 82 decibels at 10 feet (3 meters)

AUXILIARY ALARM CONTACTS: 240 VAC / 30 VDC, 1.5 amps max., 50/60 Hz (circuit not supervised)

PRE-MOUNTED TERMINAL BLOCK

(OPTIONAL): 20 amps, 120/240 VAC

POWER CORD

(OPTIONAL - 120V MODEL ONLY):

6 foot(1.8 meter) cord with 120 VAC plug

FLOAT SWITCH: SJE SignalMaster® control switch with mounting clamp

Cable: 15 feet (4.57 meters), flexible 18 gauge, 2 conductor (UL) SJOW, water-resistant (CPE)

Float: 2.74 inch diameter x 4.83 inch long (7 cm x 12.3 cm), high impact, corrosion resistant polypropylene housing for use in sewage and non-potable water up to 140°F (60°C)

Maximum Water Depth: 30 feet (9 meters), 13 PSI

Electrical: 5 amps, 125 VAC/250 VAC, 50/60 Hz

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SEE BACKSIDE FOR ORDERING INFORMATION.

TANK ALERT® EZ Alarm System

Innovative, indoor or outdoor liquid level alarm system.

ORDERING INFORMATION

STANDARD ALARM (120 VAC)

Part#	Description	List Price	Shipping Weight
1036589	TAEZ-01H (120 VAC w/15' SJE SignalMaster® High Level)	\$178.21	2.75 lbs.
1036590	TAEZ-01H (120 VAC w/15' SJE Sensor Float® High Level)	\$182.47	2.75 lbs.
1036591	TAEZ-01X (120 VAC no float)	\$143.44	1.50 lbs.
1038019	TAEZ-01L (120 VAC w/15' SJE SignalMaster® Low Level)	\$178.21	2.75 lbs.
1038020	TAEZ-01L (120 VAC w/15' SJE Sensor Float® Low Level)	\$182.47	2.75 lbs.

STANDARD ALARM (120 VAC) with terminal block

Part#	Description	List Price	Shipping Weight
1036592	TAEZ-01HTB (120 VAC w/15' SJE SignalMaster® High Level TB)	\$183.41	2.75 lbs.
1036593	TAEZ-01HTB (120 VAC w/15' Sensor Float® High Level TB)	\$187.71	2.75 lbs.
1036594	TAEZ-01XTB (120 VAC no float)	\$148.53	1.50 lbs.
1038035	TAEZ-01LTB (120 VAC w/15' SJE SignalMaster® Low Level TB)	\$183.41	2.75 lbs.
1038036	TAEZ-01LTB (120 VAC w/15' Sensor Float® Low Level TB)	\$187.71	2.75 lbs.

STANDARD ALARM (240 VAC)

Part#	Description	List Price	Shipping Weight
1036595	TAEZ-02H (240 VAC w/15' SJE SignalMaster® High Level)	\$181.21	2.75 lbs.
1036596	TAEZ-02X (240 VAC no float)	\$146.44	1.50 lbs.

STANDARD ALARM (240 VAC) with terminal block

Part#	Description	List Price	Shipping Weight
1036597	TAEZ-02HTB (240 VAC w/15' SJE SignalMaster® High Level TB)	\$186.41	2.75 lbs.
1036598	TAEZ-02XTB (240 VAC no float Terminal Block)	\$149.53	1.50 lbs.

OPTIONS

CONTROL SWITCH OPTIONS

The Tank Alert® EZ alarm system comes standard with a 15 foot **SJE SignalMaster®** control switch with mounting clamp. Other float switches are available. See control switch section of the catalog.

To determine the price of alarm with an alternate float, add the price of the part number with "no float" to the price of the float switch.



H = High Level L = Low Level X = No Float TB = Includes Terminal Block

MASTER CARTON holds 12 boxed units.

SEE PRICE BOOK FOR LIST PRICE.

SPECIFICATIONS

VOLTAGE:

120 VAC Model:

Primary: 120 VAC, 50/60 Hz, 3.8 watts max. (alarm condition)

Secondary: 9 VDC

240 VAC Model:

Primary: 240 VAC, 50/60 Hz, 3.8 watts max. (alarm condition)

Secondary: 9 VDC

ALARM ENCLOSURE: 6.7 x 5.3 x 2.5 inches (17.02 x 13.46 x 6.35 cm), indoor-outdoor, weatherproof, thermoplastic, meets Type 3R water-tight standard

ALARM HORN: 82 decibels at 10 feet (3 meters)

AUXILIARY ALARM CONTACTS: 240 VAC/30 VDC, 1.5 amps max., 50/60 HZ (circuit not supervised)

PRE-MOUNTED TERMINAL BLOCK (OPTIONAL): 20 amps, 120/240 VAC

POWER CORD (OPTIONAL - 120V Model Only): 6 foot (1.8 meters) cord with 120 VAC plug

FLOAT SWITCH: SJE SignalMaster® control switch with mounting clamp

CABLE: 15 feet (4.57 meters), flexible 18 gauge, 2 conductor (UL) SJOW, water-resistant (CPE)

FLOAT: 2.74 inch diameter x 4.83 inch long (7 cm x 12.3 cm), high impact, corrosion resistant polypropylene housing for use in sewage and non-potable water up to 140°F (60°C)

MAXIMUM WATER DEPTH: 30 feet (9 meters), 13 psi

ELECTRICAL: 5 amps, 125 VAC/250 VAC, 50/60 Hz

OTHER INFORMATION

Option	Description
PC	6 foot power cord with two RCC8 1/2 inch liquid-tight connectors (120V model only)

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TANK ALERT® XT Alarm System

Versatile, indoor or outdoor liquid level alarm system.

This alarm system monitors liquid levels in lift pump chambers, sump pump basins, holding tanks, sewage, agricultural, and other water applications.

The **Tank Alert® XT** indoor/outdoor alarm can serve as a high or low level alarm depending on the float switch model used.

The alarm horn sounds and the red beacon illuminates when a potentially threatening liquid level condition occurs. The horn can be silenced, but the alarm light remains on until the condition is remedied. Once the condition is cleared, the alarm will automatically reset.

A "power on" light on the switch indicates power to the alarm panel.



FEATURES

- Enclosure meets Type 3R water-tight standard.
- Automatic alarm reset, horn silence switch, and alarm test switch.
- Alarm horn sounds at 85 decibels at 10 feet (3 meters).
- Alarm system (when installed on separate circuit) operates even if pump circuit fails.
- Complete package includes standard SJE SignalMaster® control switch with 15 feet (4.57 meters) of cable (other lengths available) and mounting clamp.
- UL Listed for indoor or outdoor use.
- CSA Certified.
- Three-year limited warranty.



OPTIONS

When ordered with the alarm, the system is available with:

- alternate float switch models for high or low liquid level warning.
- auxiliary dry normally open contacts for easy attachment of remote devices.
- premounted terminal block so enclosure can also be used as a junction box for splicing pump, pump switch, and pump power. Meets NEC standard for junction boxes.
- 6 foot (1.8 meter) power cord and liquid-tight connectors.

SPECIFICATIONS

VOLTAGE: 120 VAC, 50/60 Hz

ALARM ENCLOSURE: 6.5 x 4.5 x 3.0 inch (16.51 x 11.43 x 7.62 cm), indoor-outdoor, weatherproof, thermoplastic meets Type 3R water-tight standard

ALARM HORN: 85 decibels at 10 feet (3 meters), meets Type 3R water-tight standard as installed by factory

ALARM BEACON: UL Listed, Type 4x beacon assembly

TEST/SILENCE SWITCH: certified to IP66 and IP68 standards

AUXILIARY ALARM CONTACTS (OPTIONAL): 120 VAC, 5 amps max., 50/60 Hz

PRE-MOUNTED TERMINAL BLOCK (OPTIONAL): 20 amps, 120/230 VAC

POWER CORD (OPTIONAL): 6 foot (1.8 meter) cord with 120 VAC plug

FLOAT SWITCH: SJE SignalMaster® control switch with mounting clamp

Cable: 15 feet (4.57 meters), flexible 18 gauge, 2 conductor (UL) SJOW, water-resistant (CPE)

Float: 2.74 inch diameter x 4.83 inch long (7 cm x 12.3 cm), high impact, corrosion resistant polypropylene housing for use in sewage and non-potable water up to 140°F (60°C)

TANK ALERT® XT Alarm System

Versatile indoor or outdoor liquid level alarm system.

ORDERING INFORMATION

STANDARD ALARM (120 VAC)

Part#	Description	List Price	Shipping Weight
1009923	TAXT-01H (120 VAC w/15' SJE SignalMaster® High Level)	\$183.56	3.00 lbs.
1010251	TAXT- 01L (120 VAC w/15' SJE SignalMaster® Low Level)	\$183.56	3.00 lbs.
1004442	TAXT-01H (120 VAC w/15' SJE Sensor Float® High Level)	\$187.94	3.00 lbs.
1005140	TAXT-01L (120 VAC w/15' SJE Sensor Float® Low Level)	\$187.94	3.00 lbs.
1005141	TAXT-01X (120 VAC no float)	\$147.74	1.50 lbs.

STANDARD ALARM (120 VAC) with terminal block

Part#	Description	List Price	Shipping Weight
1012416	TAXT-01HAUXTB (120 VAC w/15' SJE SignalMaster® High Level Auxiliary Contacts TB)	\$235.73	3.50 lbs.
1022241	TAXT-01HTB (120 VAC w/15' SJE SignalMaster® High Level TB)	\$188.91	2.00 lbs.
1005481	TAXT-01HTB (120 VAC w/15' Sensor Float® High Level TB)	\$193.34	3.50 lbs.
1005835	TAXT-01LTB (120 VAC w/15' Sensor Float® Low Level TB)	\$193.34	3.50 lbs.
1005836	TAXT-01XTB (120 VAC no float TB)	\$152.99	2.00 lbs.
1009214	TAXT-01HAUXTB (120 VAC w/15' Sensor Float® High Level Auxiliary Contacts TB)	\$240.14	3.50 lbs.

STANDARD ALARM (120 VAC) with options

Part#	Description	List Price	Shipping Weight
1006850	TAXT-01HAUX (120 VAC w/15' Sensor Float® High Level & Auxilliary Contacts)	\$234.78	3.50lbs.
1006690	TAXT-01HPC (120 VAC w/15' Sensor Float® High Level & Power Cord)	\$213.69	3.50lbs.

H = High Level L = Low Level X = No Float TB = Includes Terminal Block PC = Power Cord

AUX = Auxiliary Contacts **MASTER CARTON holds 12 boxed units.**

SEE PRICE BOOK FOR LIST PRICE.

SPECIFICATIONS

VOLTAGE: 120 VAC, 50/60 Hz

ALARM ENCLOSURE: 6.5 x 4.5 x 3 inches (16.51 x 11.43 x 7.62 cm), indoor -outdoor, weatherproof, thermoplastic, meets Type 3R water-tight standard

ALARM HORN: 85 decibels at 10 feet (3 meters), meets Type 3R water-tight standard as installed by factory

ALARM BEACON: UL Listed, Type 4X beacon assembly

TEST/SILENCE SWITCH: certified to IP66 and IP68 standards

AUXILIARY ALARM CONTACTS (OPTIONAL): 120 VAC, 5 amps max., 50/60 HZ

PRE-MOUNTED TERMINAL BLOCK (OPTIONAL): 20 amps, 120/230 VAC

POWER CORD: (optional) 6 foot (1.8 meters) cord with 120 VAC plug

FLOAT SWITCH: SJE SignalMaster® control switch with mounting clamp

CABLE: 15 feet (4.57 meters), flexible 18 gauge, 2 conductor (UL) SJOW, water-resistant (CPE)

FLOAT: 2.74 inch diameter x 4.83 inch long (7 cm x 12.3 cm), high impact, corrosion resistant polypropylene housing for use in sewage and non-potable water up to 140°F (60°C)

MAXIMUM WATER DEPTH: 30 feet (9 meters), 13 psi

ELECTRICAL: 5 amps, 125 VAC/250 VAC, 50/60 HZ

OPTIONS

CONTROL SWITCH OPTIONS

The **Tank Alert® XT** alarm system comes standard with a 15 foot **SJE SignalMaster®** control switch with mounting clamp. Other float switches are available. See control switch section of the catalog.

To determine the price of alarm with an alternate float, add the price of the part number with "no float" to the price of the float switch.

UL Listed for Water & Sewage



OTHER INFORMATION

Option	Description	Price
A UX	Auxiliary Alarm Contacts (installed)	\$46.81
PC	6 foot power cord with two RCC8 1/2 inch liquid-tight connectors	\$25.75

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TANK ALERT® DUO Alarm System

Versatile, indoor or outdoor dual liquid level alarm system.

This alarm system monitors two liquid levels in lift pump chambers, sump pump basins, holding tanks, sewage, agricultural, and other water applications.

The Tank Alert® Duo indoor/outdoor alarm monitors two alarm conditions.

The alarm horn and red beacon activate in "flashing" mode when a high water condition occurs. The alarm horn and red beacon activate in "constant on" mode for alarm 2.



FEATURES

- Enclosure meets Type 3R water-tight standard.
- Manual alarm reset, horn silence switch, and alarm test switch.
- Alarm horn sounds at 82 decibels at 10 feet (3 meters).
- High water alarm float included.
- High water alarm operates in "flashing" mode when high water condition occurs.
- Alarm 2 input for optional float. (This activates "constant on" alarm mode.
- Alarm system (when installed on separate circuit) operates even if pump circuit fails.
- Complete package includes standard SJE SignalMaster® control switch (high water alarm float) with 15 feet (4.57 meters) of cable and mounting clamp.
- CSA certified.
- Three-year limited warranty.



ALARM 2 FLOAT AVAILABLE OPTIONS

- Vertical Reed Switch
- SJE SignalMaster® control switch
- Sensor Float® control switch
- Sensor Float® Mini control switch
- Call factory for switch compatibility

SPECIFICATIONS

- VOLTAGE:** 120 VAC, 50/60 Hz
- ALARM ENCLOSURE:** 6.5 x 4.5 x 3.0 inch (16.51 x 11.43 x 7.62 cm), indoor-outdoor, weatherproof, thermoplastic meets Type 3R water-tight standard
- ALARM HORN:** 82 decibels at 10 feet (3 meters), meets Type 3R water-tight standard as installed by factory
- ALARM BEACON:** UL Listed, Type 4X beacon assembly
- TEST/SILENCE SWITCH:** water shedding
- FLOAT SWITCH:** SJE SignalMaster® control switch with mounting clamp
- Cable:** 15 feet (4.57 meters), flexible 18 gauge, 2 conductor (UL) SJOW, water-resistant (CPE)
- Float:** 2.74 inch diameter x 4.83 inch long (7 cm x 12.3 cm), high impact, corrosion resistant polypropylene housing for use in sewage and non-potable water up to 140°F (60°C)

SEE BACKSIDE FOR ORDERING INFORMATION.

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www.sjerhombus.com

TANK ALERT® DUO Alarm System

Versatile, indoor or outdoor dual liquid level alarm system.

ORDERING INFORMATION

Part #	Description	List Price	Shipping Weight
1019947	TADUO-01H (120 VAC w/15ft SJE SignalMaster® control switch)	\$178.86	3.66 lbs.
1022484	TADUO-01H (120 VAC w/two 15ft SJE SignalMaster® control switches)	\$214.26	5.03 lbs.
1021944	TADUO-01H (120 VAC w/15ft SJE SignalMaster® control switch & Vertical Reed Switch)	\$247.71	4.66 lbs.
1022494	TADUO-01H (120 VAC w/15ft Vertical Reed Switch)	\$212.23	3.29 lbs.

H = High Level

MASTER CARTON holds 12 boxed units.



ALARM 2 FLOAT AVAILABLE OPTIONS

- Vertical Reed Switch
- SJE SignalMaster® control switch
- Sensor Float® control switch
- Sensor Float® Mini control switch
- Call factory for switch compatibility

SPECIFICATIONS

VOLTAGE: 120 VAC, 50/60 Hz

ALARM ENCLOSURE: 6.5 x 4.5 x 3.0 inch (16.51 x 11.43 x 7.62 cm), indoor-outdoor, weatherproof, thermoplastic meets Type 3R water-tight standard

ALARM HORN: 82 decibels at 10 feet (3 meters), meets Type 3R water-tight standard as installed by factory

ALARM BEACON: UL Listed, Type 4X beacon assembly

TEST/SILENCE SWITCH: water shedding

FLOAT SWITCH: SJE SignalMaster® control switch with mounting clamp

CABLE: 15 feet (4.57 meters), flexible 18 gauge, 2 conductor (UL) SJOW, water-resistant (CPE)

FLOAT: 2.74 inch diameter x 4.83 inch long (7 cm x 12.3 cm), high impact, corrosion resistant polypropylene housing for use in sewage and non-potable water up to 140°F (60°C)

MAXIMUM WATER DEPTH: 30 feet (9 meters), 13 psi

ELECTRICAL: 5 amps, 125 VAC/250 VAC, 50/60 Hz



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TANK ALERT® 4X Alarm System

Easy-to-install liquid level alarm system which has a NEMA 4X enclosure for indoor or outdoor use.

This alarm system monitors liquid levels in lift pump chambers, sump pump basins, holding tanks, sewage, agricultural, and other water applications.

The Tank Alert® 4X alarm system can serve as a high or low level alarm depending on the float switch model used.

The stainless steel alarm horn sounds and red beacon illuminates when a potentially threatening liquid level condition occurs. The horn can be silenced, but the alarm beacon remains on until the condition is remedied. Once the condition is cleared the alarm will automatically reset.



ALARM SYSTEMS

FEATURES

- NEMA 4X enclosure rated for indoor or outdoor use.
- Automatic alarm reset and alarm test/normal/silence switch.
- Alarm horn sounds at 88 decibels at 10feet (3 meters)
- Alarm system (when installed on separate circuit) operates even if the pump circuit fails.
- Complete package includes standard SJE SignalMaster® control switch with 15 feet (4.57 meters) of cable (other lengths available) and mounting clamp.
- UL/cUL Listed.
- Three-year limited warranty.



OPTIONS

When ordered with the alarm, this system is available with:

- alternate float switch models for high or low level warning.
- auxiliary dry contacts (normally open and normally closed) for easy attachment of remote devices.

SPECIFICATIONS

VOLTAGE:

120 VAC, 50/60 Hz

ALARM ENCLOSURE: 6.4 x 5.3 x 5 inch (16.2 x 13.5 x 13.34 cm), NEMA 4X, indoor-outdoor, weatherproof, UV stabilized thermoplastic

ALARM HORN: 88 decibels at 10 feet (3 meters)

ALARM BEACON: UL Listed, Type 4X beacon assembly

AUXILIARY ALARM CONTACTS (OPTIONAL): 120 VAC, 5 amps max., 50/60 Hz

FLOAT SWITCH: SJE SignalMaster® control switch with mounting clamp
Cable: 15 feet (4.57 meters), flexible 18 gauge, 2 conductor (UL) SJOW, water-resistant (CPE)

Float: 2.74 inch diameter x 4.83 inch long (7 cm x 12.3 cm), high impact, corrosion resistant polypropylene housing for use in sewage and non-potable water up to 140°F (60°C)

SEE BACKSIDE FOR ORDERING INFORMATION.

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TANK ALERT® 4X Alarm System

Easy-to-install liquid level alarm system which has a NEMA 4X enclosure for indoor or outdoor use.

ORDERING INFORMATION

120 VAC		List Price	Shipping Weight
Part #	Description		
1008024	4X-01HSGM (120 VAC w/15' SJE SignalMaster® High Level)	\$308.59	3.40 lbs.
1008026	4X-01LSGM (120 VAC w/15' SJE SignalMaster® Low Level)	\$308.59	3.40 lbs.
1008023	4X-01H (120 VAC w/15' SJE Sensor Float® High Level)	\$311.27	3.65 lbs.
1008025	4X-01L (120 VAC w/15' SJE Sensor Float® Low Level)	\$311.27	3.65 lbs.
1008027	4X-01X (120 VAC no float)	\$275.04	2.10 lbs.

H = High Level L = Low Level X = No Float

MASTER CARTON holds 5 boxed units.

OPTIONS

CONTROL SWITCH OPTIONS

The Tank Alert® 4X alarm system comes standard with a 15 foot **SJE SignalMaster®** control switch with mounting clamp. Other float switches are available. See control switch section of the catalog.

To determine the price of alarm with an alternate float, add the price of the part number with "no float" to the price of the float switch.

UL Listed for
Water & Sewage



SPECIFICATIONS

VOLTAGE FOR 120 VAC MODEL: 120 VAC, 50/60 Hz

ALARM ENCLOSURE: 6.4 x 5.3 x 5 inches (16.2 x 13.5 x 13.34 cm), NEMA 4X, indoor-outdoor, weatherproof, UV stabilized thermoplastic

ALARM HORN: 88 decibels at 10 feet (3 meters)

ALARM BEACON: UL Listed, Type 4X beacon assembly

AUXILIARY ALARM CONTACTS (OPTIONAL): 120 VAC, 5 amps max., 50/60 HZ

FLOAT SWITCH: SJE SignalMaster® control switch with mounting clamp

CABLE: 15 feet (4.57 meters), flexible 18 gauge, 2 conductor (UL) SJOW, water-resistant (CPE)

FLOAT: 2.74 inch diameter x 4.83 inch long (7 cm x 12.3 cm), high impact, corrosion resistant polypropylene housing for use in sewage and non-potable water up to 140°F (60°C)

MAXIMUM WATER DEPTH: 30 feet (9 meters), 13 psi

ELECTRICAL: 5 amps, 125 VAC/250 VAC, 50/60 Hz

OTHER INFORMATION

Option	Description	Price
AUX	Auxiliary Alarm Contacts	\$17.59

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C-Con™ Converter Box

The C-Con™ converter box allows most control panels to utilize the C-Level™ floatless sensor.

The C-Con™ converts the signal from a C-Level™ sensor to simulate float levels (up to four floats). Activation levels can be conveniently set and adjusted at the C-Con™ box by using the output dials, eliminating the need to go into the tank to move float tether points. Works well in wastewater pump tanks, confined space applications, and systems with high grease content.

Note: The C-Con™ converter box can be used with most panels using control switches. The C-Con™ converter box is not recommended for use with plugger type panels or intrinsically safe type panels.

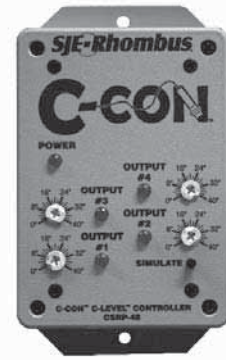
FEATURES

- NEMA 1 rated for indoor use. (Can be mounted in a control panel.)
- Green power on indicator.
- Four independently adjustable output set points at the converter box with red LED status indicators.
- Adjustable pump start/stop and alarm levels from converter box.
- Simulate button for testing proper wiring of outputs.
- Factory-installed output and power wires.
- Works with most simplex or duplex control panels.
- Alternative to mercury float switches.
- Three-year limited warranty.

OPTIONS

This system is available with:

- C-Level™ sensor with 4' (1.22 meters) vent tube and 20' (6.09 meters) cable
- C-Level™ sensor with 4' (1.22 meters) vent tube and 40' (12.18 meters) cable
- C-Level™ sensor with 8' (2.44 meters) vent tube and 20' (6.09 meters) cable
- C-Level™ sensor with 8' (2.44 meters) vent tube and 40' (12.18 meters) cable
- Without C-Level™ sensor



SPECIFICATIONS

VOLTAGE: 120 VAC, 60Hz, 44mA

OUTPUT CONTACT RATING: 3 amp, 240 VAC

ENCLOSURE: 3 x 4.25 x 1.25 inches (7.62 x 10.79 x 3.81 cm), NEMA 1 thermoplastic



LEVEL
MONITORING

SEE BACK FOR ORDERING INFORMATION.

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C-Con™ Converter Box

Converts any float-operated control panel to utilize the C-Level™ floatless sensor.

120 VAC			
Part #	Description	List Price	Shipping Weight
1031031	C-Con™ converter box w/C-Level™ sensor (4 vent foot tube and 20 foot cable)	\$550.00	3.5 lbs.
1031032	C-Con™ converter box w/C-Level™ sensor (4 vent foot tube and 40 foot cable)	\$580.00	4.1 lbs.
1031033	C-Con™ converter box w/C-Level™ sensor (8 vent foot tube and 20 foot cable)	\$555.00	3.82 lbs.
1031034	C-Con™ converter box w/C-Level™ sensor (8 vent foot tube and 40 foot cable)	\$585.00	4.42 lbs.
1031192	C-Con™ converter box without C-Level™ sensor	\$270.00	1.08 lbs.

SPECIFICATIONS

VOLTAGE: 120 VAC, 60Hz, 44mA

OUTPUT CONTACT RATING: 3 amp, 240 VAC

ENCLOSURE: 3 x 4.25 x 1.25 inches (7.62 x 10.79 x 3.81 cm),
NEMA 1 thermoplastic

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SJE Level Monitor™ CL system

Monitors tank levels by utilizing the C-Level™ floatless sensor.

The SJE Level Monitor™ CL system is a convenient way to monitor tank levels by utilizing a scalable LED bargraph to represent the level as a percentage of a full tank. The adjustable alarm is easy to set using the Alarm Level and Set buttons on the touch pad. As the liquid level reaches the installer-specified alarm set point, the audible alarm is activated. The audible alarm can be silenced using the

Test/Silence button, but the alarm light will remain on until the condition is remedied.



C-Level™ Sensor US Patent 8,336,385. Other patents pending.

SPECIFICATIONS

VOLTAGE: 120 VAC, 50-60Hz, 0.15A
Class II transformer

OUTPUT CONTACT RATING: 3 amp,
Class II circuits

ENCLOSURE: 3 x 4.25 x 1.25 inches
(7.62 x 10.79 x 3.81 cm), NEMA 1
thermoplastic

FEATURES

- NEMA 1 rated for indoor use.
- Power on and alarm indicators.
- Adjustable alarm set point.
- Can be calibrated for tanks ranging:
 - 12" to 40" (30.48cm to 101.60cm) for 40" C-Level™ CL40
 - 25" to 100" (63.5cm to 254cm) for 100" C-Level™ CL100
- Utilizes the innovative, floatless C-Level™ sensor.
- Various cable lengths available to allow monitoring tanks up to 300ft (91.4 meters) away.
- 10 segment LED bargraph displays the tank level.
- Test/Silence button
- Alarm Level button
- Set button
- Auxiliary contacts (normally open and normally closed) for Class II circuits.
- Can be configured as high level, low level or no alarm.
- Three-year limited warranty.

OPTIONS

This system is available with:

- C-Level™ CL40 sensor with 4' vent tube and 20' cable
- C-Level™ CL40 sensor with 4' vent tube and 40' cable
- C-Level™ CL40 sensor with 4' vent tube and 80' cable
- C-Level™ CL40 sensor with 4' vent tube and 200' cable
- C-Level™ CL100 sensor with 10' vent tube and 20' cable
- C-Level™ CL100 sensor with 10' vent tube and 40' cable
- C-Level™ CL100 sensor with 10' vent tube and 80' cable
- C-Level™ CL100 sensor with 10' vent tube and 200' cable
- Other C-Level™ CL40 and C-Level™ CL100 sensor lengths available upon request

SEE BACK FOR ORDERING INFORMATION.

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SJE Level Monitor™ CL system

Monitors tank levels by utilizing the C-Level™ floatless sensor.

120 VAC			
Part #	Description	List Price	Shipping Weight
1031680	SJE Level Monitor™ w/C-Level™ CL40 sensor (4 foot vent tube and 20 foot cable)	\$483.67	3.1 lbs
1031423	SJE Level Monitor™ w/C-Level™ CL40 sensor (4 foot vent tube and 40 foot cable)	\$503.93	3.7 lbs.
1031424	SJE Level Monitor™ w/C-Level™ CL40 sensor (4 foot vent tube and 80 foot cable)	\$557.13	5.0 lbs.
1031425	SJE Level Monitor™ w/C-Level™ CL40 sensor (4 foot vent tube and 200 foot cable)	\$676.58	7.0 lbs.
1036842	SJE Level Monitor™ w/C-Level™ CL100 sensor (10 foot vent tube and 20 foot cable)	\$488.67	3.58 lbs
1036844	SJE Level Monitor™ w/C-Level™ CL100 sensor (10 foot vent tube and 40 foot cable)	\$508.93	4.18 lbs
1036845	SJE Level Monitor™ w/C-Level™ CL100 sensor (10 foot vent tube and 80 foot cable)	\$562.13	5.48 lbs
1036846	SJE Level Monitor™ w/C-Level™ CL100 sensor (10 foot vent tube and 200 foot cable)	\$681.58	7.48 lbs

SPECIFICATIONS

VOLTAGE: 120 VAC, 50-60Hz, 0.15A Class II transformer

OUTPUT CONTACT RATING: 3 amp, Class II circuits

ENCLOSURE: 3 x 4.25 x 1.25 inches (7.62 x 10.79 x 3.81 cm),
NEMA 1 thermoplastic



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PUMP SWITCH OVERVIEW

Wide-angle pump switches directly control pumps up to 3 HP at 250 VAC. Each switch features an adjustable pumping range.

UL Recognized, CSA Certified. *Denotes passed **NSF Standard 61** protocol for approved Water Quality Association lab for use in potable water.

Pump Switch	Type of Activation	Pump Control	Max Pump Run Current	Max Pump Start Current	Pumping Range
 *SJE PumpMaster®	Mechanically Activated	1/2 HP, 120V 1 HP, 230V	13A, 120V 13A, 230V	85A, 120V 85A, 230V	7 - 36 in (18 - 91 cm)
 *SJE PumpMaster® Plus	Mechanically Activated	3/4 HP, 120V 2 HP, 230V	15A, 120V 15A, 230V	85A, 120V 85A, 230V	7 - 36 in (18 - 91 cm)
 *SJE PumpMaster® SPDT (Single Pole, Double Throw)	Mechanically Activated	1/2 HP, 120V 1 HP, 230V	13A, 120V 13A, 230V	85A, 120V 85A, 230V	7 - 36 in (18 - 91 cm)
 Double Float® Master	Mechanically Activated	15 FLA, 90LRA 120 or 240V	15A, 120V 15A, 240V	90A, 120V 90A, 240V	3 - 48 in (7.6 - 122 cm)
 SJE AmpMaster®	Mechanically Activated	1 1/2 HP, 125V 3 HP, 250V	20A, 125V 20A, 250V	120A, 125V 120A, 250V	9 - 24 in (23 - 61 cm)
 SJE VerticalMaster® (For Limited Space Applications)	Mechanically Activated	1/2 HP, 120V 1 HP, 230V	13A, 120V 12A, 230V	60A, 120V 60A, 230V	.75 - 6.5 in (2 - 17 cm)
 *SJE MicroMaster® AC/DC	Mechanically Activated	Use pump run and start current	10A, 12VDC 10A, 125VDC 8A, 250VAC	100A, 12VDC 60A, 125V 60A, 250V	8 - 36 in (20 - 91 cm)
 *SJE MicroMaster® Plus WS	Mechanically Activated	Use pump run and start current	13A, 125V 13A, 250V	78A, 125V 78A, 250V	8 - 36 in (20 - 91 cm)
 Junior Super Single®	Mercury Activated	1/2 HP, 120V 1 HP, 230V	13A, 120V 8A, 230V	40A, 120V 20A, 230V	6.5 - 19 in (16.5 - 48 cm)
 Super Single®	Mercury Activated	1 HP, 120V 2 HP, 230V	15A, 120V 12A, 230V	55A, 120V 35A, 230V	6.5 - 13.5 in (17 - 34 cm)
 Double Float®	Mercury Activated	1 HP, 120V 2 HP, 230V	15A, 120V 12A, 230V	55A, 120V 35A, 230V	1.75 - 48 in (4.45 - 122cm)

SJE PUMPMASTER® Pump Switch

Mechanically-activated, wide-angle switch designed for direct control of pumps up to 1/2 HP at 120 VAC and 1 HP at 230 VAC.

This mechanically-activated, wide-angle pump switch provides automatic control of pumps in:

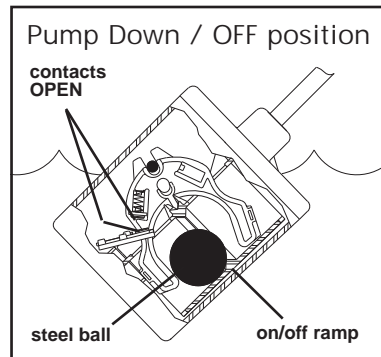
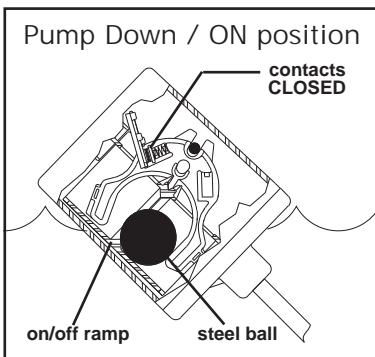
- potable water
- water
- sewage applications

The SJE PumpMaster® pump switch is not sensitive to rotation or turbulence allowing it to be used in both calm and turbulent applications.



FEATURES

- Passed NSF Standard 61 protocol by an approved Water Quality Association laboratory.
- Heavy-duty contacts.
- Controls pumps up to 1/2 HP at 120 VAC and 1 HP at 230 VAC.
- Adjustable pumping range of 7 to 36 inches (18 to 91 cm).
- Includes standard mounting clamp and boxed packaging.
- UL Recognized for use in water and sewage.
- CSA Certified.
- Three-year limited warranty.



SPECIFICATIONS

CABLE: flexible 16 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

FLOAT: 3.05 inch diameter x 3.56 inch long (7.75 x 9.04 cm) high impact, corrosion resistant, PVC housing for use in sewage and water up to 140°F (60°C)

ELECTRICAL:

120 VAC 50/60Hz Single Phase:

Maximum Pump Running Current:
13 amps

Maximum Pump Starting Current:
85 amps

Recommended Pump HP:
1/2 HP or less

230 VAC 50/60Hz Single Phase:

Maximum Pump Running Current:
13 amps

Maximum Pump Starting Current:
85 amps

Recommended Pump HP:
1 HP or less

Note: This switch must be used with pumps that provide integral thermal overload protection.

PUMP SWITCHES
(MECHANICAL)

OPTIONS

This switch is available:

- for pump down or pump up applications as specified by part number.
- with a 120 VAC or 230 VAC piggy-back plug.
- without a plug for direct wiring in 120 VAC or 230 VAC applications.
- in standard cable lengths of 10, 15, 20, or 30 feet and 3, 5, 6, or 10 meters (longer lengths available).

SEE BACKSIDE FOR ORDERING INFORMATION.

SJE Rhombus

PO Box 1708, Detroit Lakes, MN 56502

1-888-DIAL-SJE • 1-218-847-1317

1-218-847-4617 Fax

email: sje@sjerhombus.com

www.sjerhombus.com

SJE PUMPMASTER® Pump Switch

Mechanically-activated, wide-angle switch designed for direct control of pumps up to 1/2 HP at 120 VAC and 1 HP at 230 VAC.

ORDERING INFORMATION

PUMP DOWN ⬇		PUMP UP ⬆		List Price	Shipping Weight
Part #	Description	Part #	Description		
1002630	10PMD1WP	1002707	10PMU1WP	\$58.45	1.64 lbs.
1002714	10PMD2WP	1002709	10PMU2WP	\$60.49	1.68 lbs.
1002712	10PMDWOP	1002706	10PMUWOP	\$51.32	1.56 lbs.
1002715	15PMD1WP	1002721	15PMU1WP	\$61.59	1.89 lbs.
1002717	15PMD2WP	1002723	15PMU2WP	\$63.64	1.93 lbs.
1002719	15PMDWOP	1002725	15PMUWOP	\$54.47	1.82 lbs.
1002727	20PMD1WP	1002733	20PMU1WP	\$64.88	2.28 lbs.
1002729	20PMD2WP	1002735	20PMU2WP	\$66.80	2.32 lbs.
1002731	20PMDWOP	1002737	20PMUWOP	\$57.62	2.20 lbs.
1002739	30PMD1WP	1002745	30PMU1WP	\$71.57	2.94 lbs.
1002741	30PMD2WP	1002747	30PMU2WP	\$73.61	2.99 lbs.
1002743	30PMDWOP	1002749	30PMUWOP	\$64.45	2.86 lbs.

D = Pump Down U = Pump Up 1 = 120VAC 2 = 230VAC

WP = With Plug WOP = With Out Plug

NOTE: Descriptions are grouped by cable length measured in feet (10, 15, 20, 30).

OPTIONS

MOUNTING CLAMP is standard.

If mounting clamp is not required, specify and deduct 60¢ from list price.

CABLE WEIGHT MOUNTING

Is also available.

PACKAGING

Boxed - Standard

Bagged - Specify and deduct 40¢ from list price.

Bulk - Specify and deduct 60¢ from list price.

ADDITIONAL CABLE

Additional cable length over 30 feet is available at 80¢ per foot (list price).

UL Recognized for
Water & Sewage



Passed NSF standard 61 protocol by an approved
Water Quality Association laboratory.



SPECIFICATIONS

PUMPING RANGE: 7 to 36 inches (18 cm to 91 cm)

CABLE: flexible 16 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

FLOAT: 3.05 inch diameter x 3.56 inch long (7.75 cm x 9.04 cm), high impact, corrosion resistant, PVC housing for use in sewage and water up to 140°F (60°C)

ELECTRICAL:

Voltage 50Hz/60Hz Single Phase	Max. Pump Run Current	Max. Pump Start Current	Recommended Pump HP
120 VAC 230 VAC	13 amps 13 amps	85 amps 85 amps	1/2 HP or less 1 HP or less

NOTE: This switch must be used with pumps that provide integral thermal overload protection.

OTHER INFORMATION

PUMP DOWN is normally open contacts for emptying in potable water, water, and sewage applications.

PUMP UP is normally closed contacts for filling in potable water, water, and sewage applications.

DIRECT WIRING

Units used for direct wiring (without plug) may be used in either 120 VAC or 230 VAC applications within specified amp ratings.



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SJE PUMPMASTER® PLUS Pump Switch

Mechanically-activated, wide-angle switch designed for direct control of pumps up to 3/4 HP at 120 VAC and 2 HP at 230 VAC.

This mechanically-activated, wide-angle pump switch provides automatic control of pumps in:

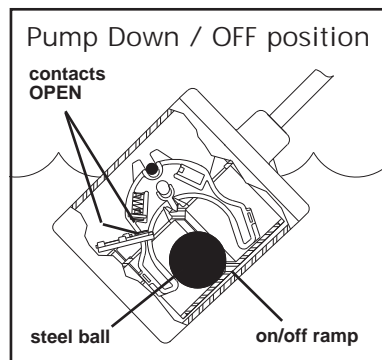
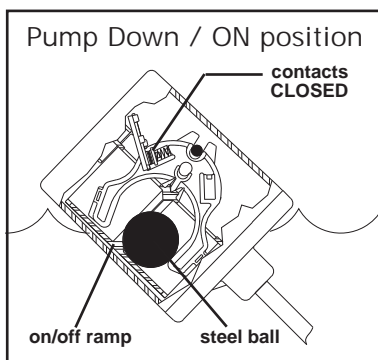
- potable water
- water
- sewage applications

The SJE PumpMaster® Plus pump switch is not sensitive to rotation or turbulence allowing it to be used in both calm and turbulent applications.



FEATURES

- Passed NSF Standard 61 protocol by an approved Water Quality Association laboratory.
- Heavy-duty contacts.
- Controls pumps up to 3/4 HP at 120 VAC and 2 HP at 230 VAC.
- Adjustable pumping range of 7 to 36 inches (18 to 91 cm).
- Includes standard mounting clamp and boxed packaging.
- UL Recognized for use in water and sewage.
- CSA Certified.
- Three-year limited warranty.



OPTIONS

This switch is available:

- for pump down or pump up applications as specified by part number.
- with a 120 VAC or 230 VAC piggy-back plug.
- without a plug for direct wiring in 120 VAC or 230 VAC applications.
- in standard cable lengths of 10, 15, 20, or 30 feet and 3, 5, 6, or 10 meters (longer lengths available).

SPECIFICATIONS

CABLE: flexible 14 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

FLOAT: 3.05 inch diameter x 3.56 inch long (7.75 x 9.04 cm) high impact, corrosion resistant, PVC housing for use in sewage and water up to 140°F (60°C)

ELECTRICAL:

120 VAC 50/60Hz Single Phase:

Maximum Pump Running Current:

15 amps

Maximum Pump Starting Current:

85 amps

Recommended Pump HP:

3/4 HP or less

230 VAC 50/60Hz Single Phase:

Maximum Pump Running Current:

15 amps

Maximum Pump Starting Current:

85 amps

Recommended Pump HP:

2 HP or less

NOTE: This switch must be used with pumps that provide integral thermal overload protection.

PUMP SWITCHES
(MECHANICAL)

**SJE
Rhombus**

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1-218-847-4617 Fax

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SEE BACKSIDE FOR ORDERING INFORMATION.

SJE PUMPMASTER® PLUS Pump Switch

Mechanically-activated, wide-angle switch designed for direct control of pumps up to 3/4 HP at 120 VAC and 2 HP at 230 VAC.

ORDERING INFORMATION

PUMP DOWN ↓		PUMP UP ↑		List Price	Shipping Weight
Part #	Description	Part #	Description		
1003232	10PMPD1WP	1003237	10PMPU1WP	\$79.46	1.88 lbs.
1003233	10PMPD2WP	1003239	10PMPU2WP	\$81.53	1.92 lbs.
1003235	10PMPDWOP	1003241	10PMPUWOP	\$72.28	1.73 lbs.
1003243	15PMPD1WP	1003249	15PMPU1WP	\$82.90	2.23 lbs.
1003245	15PMPD2WP	1003251	15PMPU2WP	\$85.00	2.23 lbs.
1003247	15PMPDWOP	1003253	15PMPUWOP	\$75.74	2.13 lbs.
1003255	20PMPD1WP	1003261	20PMPU1WP	\$86.37	2.57 lbs.
1003257	20PMPD2WP	1003263	20PMPU2WP	\$88.45	2.61 lbs.
1003259	20PMPDWOP	1003265	20PMPUWOP	\$79.20	2.49 lbs.
1003267	30PMPD1WP	1003273	30PMPU1WP	\$93.97	3.38 lbs.
1003269	30PMPD2WP	1003275	30PMPU2WP	\$96.05	3.41 lbs.
1003271	30PMPDWOP	1003277	30PMPUWOP	\$86.78	3.30 lbs.

D = Pump Down U = Pump Up 1 = 120VAC 2 = 230VAC

WP = With Plug WOP = With Out Plug

NOTE: Descriptions are grouped by cable length measured in feet (10, 15, 20, 30).

OPTIONS

MOUNTING CLAMP is standard.

If mounting clamp is not required, specify and deduct 60¢ from list price.

CABLE WEIGHT MOUNTING

Is also available.

PACKAGING

Boxed - Standard

Bagged - Specify and deduct 40¢ from list price.

Bulk - Specify and deduct 60¢ from list price.

ADDITIONAL CABLE

Additional cable length over 30 feet is available at \$1.60 per foot (list price).

UL Recognized for Water & Sewage



Passed NSF standard 61 protocol by an approved Water Quality Association laboratory.



SPECIFICATIONS

PUMPING RANGE: 7 to 36 inches (18 cm to 91 cm)

CABLE: flexible 14 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

FLOAT: 3.05 inch diameter x 3.56 inch long (7.75 cm x 9.04 cm), high impact, corrosion resistant, PVC housing for use in sewage and water up to 140°F (60°C)

ELECTRICAL:

Voltage 50Hz/60Hz Single Phase	Max. Pump Run Current	Max. Pump Start Current	Recommended Pump HP
120 VAC	15 amps	85 amps	3/4 HP or less
230 VAC	15 amps	85 amps	2 HP or less

NOTE: This switch must be used with pumps that provide integral thermal overload protection.

OTHER INFORMATION

PUMP DOWN is normally open contacts for emptying in potable water, water, or sewage applications.

PUMP UP is normally closed contacts for filling in potable water, water, or sewage applications.

DIRECT WIRING

Units used for direct wiring (without plug) may be used in either 120 VAC or 230 VAC applications within specified amp ratings.



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SJE PUMPMaster® SPDT Pump Switch

Mechanically-activated, wide-angle switch designed for direct control of pumps up to 1/2 HP at 120 VAC and 1 HP at 230 VAC.

This mechanically-activated, wide-angle pump switch provides automatic control of pumps in:

- potable water
- water
- sewage applications

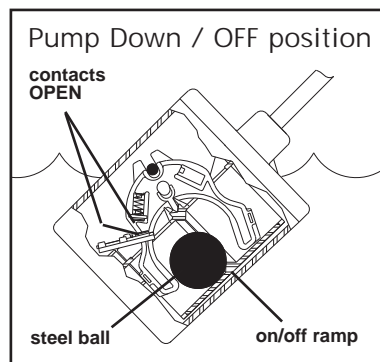
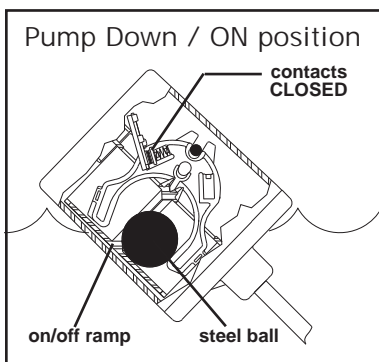
It can be wired to work in either pump down (normally open) or pump up (normally closed) applications.

The SJE PumpMaster® SPDT pump switch is not sensitive to rotation or turbulence allowing it to be used in both calm and turbulent applications.



FEATURES

- Passed NSF Standard 61 protocol by an approved Water Quality Association laboratory.
- Can be wired to work in either pump down (normally open) or pump up (normally closed) applications (**Single Pole, Double Throw**).
- Heavy-duty contacts.
- Controls pumps up to 1/2 HP at 120 VAC and 1 HP at 230 VAC.
- For direct wiring in 120 or 230 VAC applications.
- Adjustable pumping range of 7 to 36 inches (18 to 91 cm).
- Includes standard mounting clamp and boxed packaging.
- UL Recognized for use in water and sewage.
- CSA Certified.
- Three-year limited warranty.



OPTIONS

This switch is available:

- in standard cable lengths of 10, 15, 20, or 30 feet and 3, 5, 6, or 10 meters (longer lengths available).

SPECIFICATIONS

CABLE: flexible 16 gauge, 3 conductor (UL, CSA) SJOW, water-resistant (CPE)

FLOAT: 3.05 inch diameter x 3.56 inch long (7.75 x 9.04 cm) high impact, corrosion resistant, PVC housing for use in sewage and water up to 140°F (60°C)

ELECTRICAL:

120 VAC 50/60Hz Single Phase:

Maximum Pump Running Current:
13 amps

Maximum Pump Starting Current:
85 amps

Recommended Pump HP:
1/2 HP or less

230 VAC 50/60Hz Single Phase:

Maximum Pump Running Current:
13 amps

Maximum Pump Starting Current:
85 amps

Recommended Pump HP:
1 HP or less

NOTE: This switch must be used with pumps that provide integral thermal overload protection.

PUMP SWITCHES
(MECHANICAL)

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SEE BACKSIDE FOR ORDERING INFORMATION.

SJE PUMPMASTER® SPDT Pump Switch

Mechanically-activated, wide-angle switch designed for direct control of pumps up to 1/2 HP at 120 VAC and 1 HP at 230 VAC.

ORDERING INFORMATION

PUMP DOWN OR PUMP UP   without plug only		List Price	Shipping Weight
Part Number	Description		
1004834	10PMSPDTPC	\$58.04	1.81 lbs.
1004835	10PMSPDTWE	\$65.72	3.65 lbs.
1004836	15PMSPDTPC	\$61.68	2.21 lbs.
1004837	15PMSPDTWE	\$70.49	4.05 lbs.
1004838	20PMSPDTPC	\$65.02	2.61 lbs.
1004839	20PMSPDTWE	\$72.71	4.45 lbs.
1004840	30PMSPDTPC	\$68.50	3.41 lbs.
1004841	30PMSPDTWE	\$80.57	5.25 lbs.

OPTIONS

MOUNTING CLAMP is standard.

If mounting clamp is not required, specify and deduct 60¢ from list price.

CABLE WEIGHT MOUNTING

Is also available.

PACKAGING

Boxed - Standard

Bagged - Specify and deduct 40¢ from list price.

Bulk - Specify and deduct 60¢ from list price.

ADDITIONAL CABLE

Additional cable length over 30 feet is available at \$1.60 per foot (list price).

PC = Pipe Clamp WE = Weighted Externally

Can be wired to work in either pump down (normally open) or pump up (normally closed) applications (Single Pole, Double Throw).

NOTE: Descriptions are grouped by cable length measured in feet (10, 15, 20, 30).

Passed NSF standard 61 protocol by an approved Water Quality Association laboratory.



UL Recognized for Water & Sewage



SPECIFICATIONS

PUMPING RANGE: 7 to 36 inches (18 cm to 91 cm)

CABLE: flexible 16 gauge, 3 conductor (UL, CSA) SJOW, water-resistant (CPE)

FLOAT: 3.05 inch diameter x 3.56 inch long (7.75 cm x 9.04 cm), high impact, corrosion resistant, PVC housing for use in sewage and water up to 140°F (60°C)

ELECTRICAL:

Voltage 50Hz/60Hz Single Phase	Max. Pump Run Current	Max. Pump Start Current	Recommended Pump HP
120 VAC	13 amps	85 amps	1/2 HP or less
230 VAC	13 amps	85 amps	1 HP or less

NOTE: This switch must be used with pumps that provide integral thermal overload protection.

OTHER INFORMATION

PUMP DOWN is normally open contacts for emptying in potable water, water or sewage applications.

PUMP UP is normally closed contacts for filling in potable water, water or sewage applications.

DIRECT WIRING

Units used for direct wiring (without plug) may be used in either 120 VAC or 230 VAC applications within specified amp ratings.



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DOUBLE FLOAT® MASTER Pump Switch

Mechanically activated switch designed to control pumps up to 15 FLA, 90 LRA, 120 VAC or 240 VAC.

This mechanically activated, pump switch provides automatic control of pumps in non-potable water and sewage applications. It is well-suited for confined applications requiring an accurate pumping range. It is not sensitive to rotation or turbulence. This switch is voltage sensitive - use with correct voltage.

The **Double Float® Master** pump switch consists of two mechanical floats and a splice tube. The splice tube contains a holding relay which enables the floats to function in series.

The holding relay eliminates pump chatter in turbulent conditions allowing the **Double Float® Master** pump switch to operate relay control panels for larger pump applications.

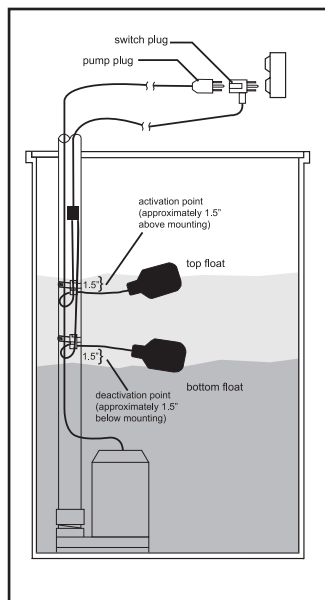
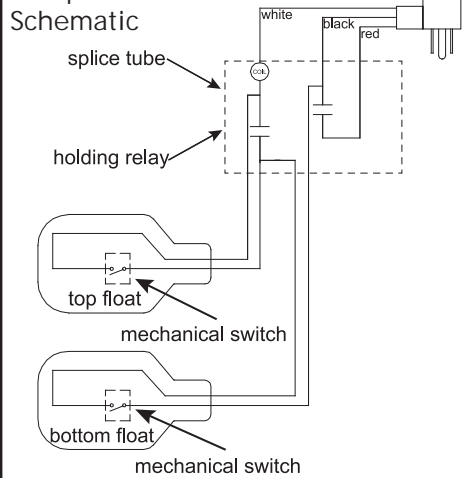


FEATURES

- Controls pumps up to 15 FLA, 90 LRA, 120 VAC or 240 VAC.
- Adjustable pumping range of 3 to 48 inches (7.6 to 122 cm) with increased pumping range up to 6 feet (1.8 meters) available.
- Includes standard mounting clamps and boxed packaging.
- CSA Certified.
- Three-year limited warranty.



Pump Down Schematic



SPECIFICATIONS

Cable attached to float housing: flexible 18 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

Cable above splice: flexible 14 gauge, 3 conductor (UL, CSA) SJTW, water-resistant, thermoplastic

FLOATS: 2.74 inch diameter x 4.83 inch long (7.0 x 12.3 cm) high impact, corrosion resistant, PP housing for use in sewage and non-potable water up to 140°F (60°C)

ELECTRICAL:

120 VAC 50/60Hz Single Phase:

Maximum Pump Running Current (FLA):
15 amps

Maximum Pump Starting Current (LRA):
90 amps

240 VAC 50/60Hz Single Phase:

Maximum Pump Running Current (FLA):
15 amps

Maximum Pump Starting Current (LRA):
90 amps

NOTE: This switch must be used with pumps that provide integral thermal overload protection.

OPTIONS

This switch is available:

- for pump down or pump up applications as specified by part number.
- with a 120 VAC or 240 VAC piggy-back plug.
- without a plug for direct wiring (120 VAC units can only be used with 120 VAC applications within specified amp ratings. 240 VAC units can only be used with 240 VAC applications within specified amp ratings).
- in standard cable lengths of 15, 20, or 30 feet and 5 or 10 meters (longer lengths available).

SEE BACKSIDE FOR ORDERING INFORMATION.

**SJE
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DOUBLE FLOAT® MASTER Pump Switch

Mechanically activated switch designed to control pumps up to 15 FLA, 90 LRA, 120 VAC or 240 VAC.

ORDERING INFORMATION

PUMP DOWN ⬇		PUMP UP ⬆		List Price	Shipping Weight
Part #	Description	Part #	Description		
1016864	15DFMMD1WP	1017668	15DFMMU1WP	\$129.47	3.63 lbs.
1017657	15DFMMD2WP	1017669	15DFMMU2WP	\$132.96	3.64 lbs.
1017658	15DFMMD1WOP	1017670	15DFMMU1WOP	\$121.81	3.55 lbs.
1017659	15DFMMD2WOP	1017671	15DFMMU2WOP	\$124.38	3.51 lbs.

1017660	20DFMMD1WP	1017672	20DFMMU1WP	\$134.31	4.04 lbs.
1017661	20DFMMD2WP	1017673	20DFMMU2WP	\$137.79	4.08 lbs.
1017662	20DFMMD1WOP	1017674	20DFMMU1WOP	\$126.66	3.97 lbs.
1017663	20DFMMD2WOP	1017675	20DFMMU2WOP	\$129.20	4.01 lbs.

1017664	30DFMMD1WP	1017676	30DFMMU1WP	\$144.63	4.95 lbs.
1017665	30DFMMD2WP	1017677	30DFMMU2WP	\$148.12	4.99 lbs.
1017666	30DFMMD1WOP	1017678	30DFMMU1WOP	\$137.11	4.86 lbs.
1017667	30DFMMD2WOP	1017679	30DFMMU2WOP	\$139.53	4.87 lbs.

D = Pump Down U = Pump Up 1 = 120 VAC 2 = 240 VAC

WP = With Plug WOP = With Out Plug

NOTE: Descriptions are grouped by cable length measured in feet (15, 20, 30).

OPTIONS

PACKAGING

Boxed - Standard

Bagged - Specify and deduct 40¢ from list price.

Bulk - Specify and deduct 60¢ from list price.

ADDITIONAL CABLE

Additional cable length over 30 feet is available at \$1.60 per foot (list price).



SPECIFICATIONS

PUMPING RANGE: 3 to 48 inches (7.6 cm to 122 cm), increased pumping range available. Call factory for quote.

CABLE ATTACHED TO FLOAT HOUSING: flexible 18 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

CABLE ABOVE SPLICE: flexible 14 gauge, 3 conductor (UL, CSA) SJTW, water-resistant thermoplastic

FLOAT: 2.74 inch diameter x 4.83 inch long (7.0 cm x 12.3 cm), high impact, corrosion resistant, PP housing for use in sewage and non-potable water up to 140°F (60°C)

ELECTRICAL:

Voltage 50Hz/60Hz Single Phase	Max. Pump Run Current	Max. Pump Start Current
120 VAC	15 amps	90 amps
240 VAC	15 amps	90 amps

NOTE: This switch must be used with pumps that provide integral thermal overload protection.

OTHER INFORMATION

PUMP DOWN is normally open contacts for emptying.

PUMP UP is normally closed contacts for filling.

DIRECT WIRING

120 VAC units used for direct wiring (without plug) can **only** be used with **120 VAC** applications within specified amp ratings.

240 VAC units used for direct wiring (without plug) can **only** be used with **240 VAC** applications within specified amp ratings.



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Call or fax your order!

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SJE AMPMASTER® Pump Switch

Mechanically-activated, wide-angle, 20 amp rated switch designed for direct control of pumps up to 1 1/2 HP at 125 VAC and 3 HP at 250 VAC.

This mechanically-activated, wide-angle, 20 amp rated pump switch provides automatic control of grinder and high head sewage pumps in grinder and lift station applications, as well as septic tank effluent pump (STEP) systems.

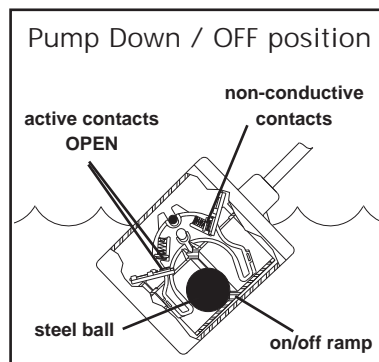
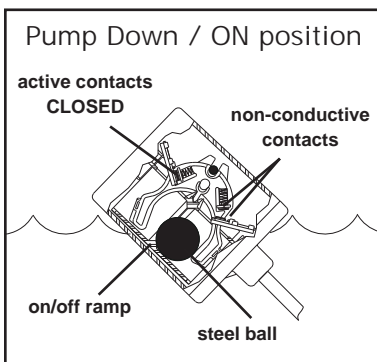
The SJE AmpMaster® pump switch is not sensitive to rotation or turbulence allowing it to be used in both calm and turbulent applications.

It is available for pump down applications only.



FEATURES

- Maximum pump running current of 20 amps.
- Heavy-duty contacts mounted on high-conductivity copper substrates.
- Controls pumps up to 1 1/2 HP at 125 VAC and 3 HP at 250 VAC.
- Second set of non-conductive contacts enhance switch activation.
- For direct wiring in 125 VAC or 250 VAC applications (piggy-back plug model not available).
- Adjustable pumping range of 9 to 24 inches (23 to 61 cm).
- Includes standard mounting clamp and boxed packaging.
- UL Recognized for use in non-potable water and sewage.
- CSA Certified.
- Three-year limited warranty.



OPTIONS

This switch is available:

- in standard cable lengths of 10, 15, 20, or 30 feet and 3, 5, 6, or 10 meters (longer lengths available).

SPECIFICATIONS

CABLE: flexible 12 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

FLOAT: 3.05 inch diameter x 3.56 inch long (7.75 x 9.04 cm) high impact, corrosion resistant, PVC housing for use in sewage and non-potable water up to 120°F (50°C)

ELECTRICAL:

125 VAC 50/60Hz Single Phase:

Maximum Pump Running Current:
20 amps

Maximum Pump Starting Current:
120 amps

Recommended Pump HP:
1 1/2 HP or less

250 VAC 50/60Hz Single Phase:

Maximum Pump Running Current:
20 amps

Maximum Pump Starting Current:
120 amps

Recommended Pump HP:
3 HP or less

NOTE: This switch must be used with pumps that provide integral thermal overload protection. Certain pump applications may require the use of an external capacitor start kit.

PUMP SWITCHES
(MECHANICAL)

**SJE
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PO Box 1708, Detroit Lakes, MN 56502

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1-218-847-4617 Fax

email: sje@sjerhombus.com


www.sjerhombus.com

SEE BACKSIDE FOR ORDERING INFORMATION.

SJE AMPMASTER® Pump Switch

Mechanically-activated, wide-angle, 20 amp rated switch designed for direct control of pumps up to 1 1/2 HP at 125 VAC and 3 HP at 250 VAC.

ORDERING INFORMATION

PUMP DOWN ONLY  without plug only		List Price	Shipping Weight
Part Number	Description		
1006310	10AMDWOP	\$104.66	1.79 lbs.
1006311	15AMDWOP	\$109.53	2.27 lbs.
1006312	20AMDWOP	\$114.40	2.72 lbs.
1006313	30AMDWOP	\$124.89	3.12 lbs.

D = Pump Down WOP = With Out Plug

NOTE: Descriptions are grouped by cable length measured in feet (10, 15, 20, 30).

OPTIONS

MOUNTING CLAMP is standard.

If mounting clamp is not required, specify and deduct 60¢ from list price.

CABLE WEIGHT MOUNTING

Is also available.

PACKAGING

Boxed - Standard

Bagged - Specify and deduct 40¢ from list price.

Bulk - Specify and deduct 60¢ from list price.

ADDITIONAL CABLE

Additional cable length over 30 feet is available at \$1.60 per foot (list price).

UL Recognized for
Water & Sewage



SPECIFICATIONS

PUMPING RANGE: 9 to 24 inches (23 cm to 61 cm)

CABLE: flexible 12 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

FLOAT: 3.05 inch diameter x 3.56 inch long (7.75 cm x 9.04 cm), high impact, corrosion resistant, PVC housing for use in sewage and non-potable water up to 120°F (50°C)

ELECTRICAL:

Voltage 50Hz/60Hz Single Phase	Max. Pump Run Current	Max. Pump Start Current	Recommended Pump HP
125 VAC	20 amps	120 amps	1 1/2 HP or less
250 VAC	20 amps	120 amps	3 HP or less

NOTE: This switch must be used with pumps that provide integral thermal overload protection. Certain pump applications may require the use of an external capacitor start kit.

OTHER INFORMATION

PUMP DOWN is normally open contacts for emptying. Available in pump down version only.

DIRECT WIRING

Units may be used with either 125 VAC or 250 VAC applications within specified amp ratings.

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Call or fax your order!
1-888-DIAL-SJE (1-888-342-5753) ■ Fax 218-847-4617

SJE VERTICALMASTER® Pump Switch

Mechanically-activated switch designed for direct control of pumps up to 1/2 HP at 120 VAC and 1 HP at 230 VAC.

This mechanically-activated pump switch is designed to operate in non-potable water and sewage applications with limited space. It works well in small sump chambers, effluent applications, and laundry trays, as well as in large tanks.

The SJE VerticalMaster® pump switch is not sensitive to turbulence.

It is available for pump down applications only.

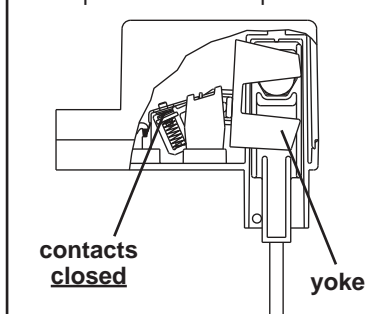


FEATURES

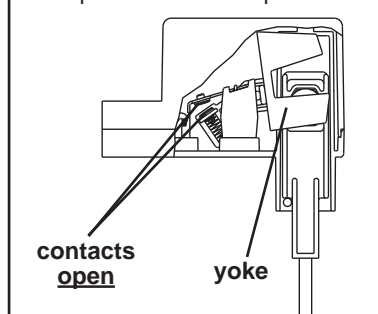
- Heavy-duty contacts.
- Controls pumps up to 1/2 HP at 120 VAC and 1 HP at 230 VAC.
- Adjustable pumping range of .75 to 6.5 inches (2 to 17 cm).
- Includes standard boxed packaging.
- UL Recognized for use in non-potable water and sewage.
- CSA Certified.
- Three-year limited warranty.



Pump Down / ON position



Pump Down / OFF position



OPTIONS

This switch is available:

- with a 120 VAC or 230 VAC piggy-back plug.
- without a plug for direct wiring in 120 VAC or 230 VAC applications.
- in standard cable lengths of 10, 15, 20, or 30 feet and 3, 5, 6, or 10 meters (longer lengths available).

SPECIFICATIONS

CABLE: flexible 16 gauge, 2 conductor (UL, CSA) SJOW or SJTOW, water-resistant (CPE)

MOUNTING BRACKET & HOSE CLAMP: stainless steel

LIFT ROD: injection molded acetal plastic

FLOAT STOP: neoprene

SWITCH AND FLOAT HOUSING: high impact, corrosion resistant, PVC housing for use in sewage and non-potable water up to 125°F (52°C)

overall dimensions: 12 inch high x 5 inch x 3 inch wide (30.5 cm high x 12.7 cm x 7.6 cm wide)

switch housing dimensions (excluding cable entrance): 2 inch high x 2.8 inch wide (5 cm high x 7.1 cm wide)

float housing dimensions: 2.3 inch high x 2.7 inch wide (5.8 cm high x 6.9 cm wide)

ELECTRICAL:

120 VAC 50/60Hz Single Phase:

Maximum Pump Running Current:

13 amps

Maximum Pump Starting Current:

60 amps

Recommended Pump HP:

1/2 HP or less

230 VAC 50/60Hz Single Phase:

Maximum Pump Running Current:

12 amps

Maximum Pump Starting Current:

60 amps

Recommended Pump HP:

1 HP or less

NOTE: This switch must be used with pumps that provide integral thermal overload protection.

SJE Rhombus®

PO Box 1708, Detroit Lakes, MN 56502
1-888-DIAL-SJE • 1-218-847-1317
1-218-847-4617 Fax

email: sje@sjerhombus.com

www.sjerhombus.com


SEE BACKSIDE FOR ORDERING INFORMATION.

PUMP SWITCHES
(MECHANICAL)

SJE VERTICALMASTER® Pump Switch

Mechanically-activated pump switch designed for direct control of pumps up to 1/2 HP at 120 VAC and 1 HP at 230 VAC.

ORDERING INFORMATION

PUMP DOWN ONLY 		List Price	Shipping Weight
Part Number	Description		
1003590	10VM1WP	\$60.93	1.73 lbs.
1003772	10VM2WP	\$63.02	1.77 lbs.
1003776	10VMWOP	\$53.76	1.65 lbs.
1003769	15VM1WP	\$64.12	2.08 lbs.
1003773	15VM2WP	\$66.20	2.12 lbs.
1003777	15VMWOP	\$56.93	2.00 lbs.
1003770	20VM1WP	\$67.29	2.43 lbs.
1003774	20VM2WP	\$69.37	2.47 lbs.
1003778	20VMWOP	\$60.11	2.35 lbs.
1003771	30VM1WP	\$74.21	3.13 lbs.
1003775	30VM2WP	\$76.27	3.17 lbs.
1003779	30VMWOP	\$67.04	3.05 lbs.

1 = 120VAC 2 = 230VAC WP = With Plug WOP = With Out Plug

NOTE: Descriptions are grouped by cable length measured in feet (10, 15, 20, 30).

OPTIONS

MOUNTING BRACKET AND HOSE CLAMP are standard.

PACKAGING
Boxed - standard

ADDITIONAL CABLE
Additional cable length over 30 feet is available at 80¢ per foot (list price).

UL Recognized for
Water & Sewage



SPECIFICATIONS

PUMPING RANGE: 0.75 to 6.5 inches (2 cm to 17 cm)

CABLE: flexible 16 gauge, 2 conductor (UL, CSA) SJOW or SJTOW, water-resistant (CPE).

MOUNTING BRACKET AND CLAMP: stainless steel

LIFT ROD: injection molded acetal plastic

FLOAT STOP: neoprene

SWITCH AND FLOAT HOUSING: high impact, corrosion resistant, PVC housing for use in sewage and non-potable water up to 125°F (52°C)

- Overall dimensions: 12 inch high x 5 inch x 3 inch wide (30.5 cm x 12.7 cm x 7.6 cm)
- Switch housing dimensions: 2 inch high x 2.8 inch diameter (5 cm x 7.1 cm)
- Float housing dimensions: 2.3 inch high x 2.8 inch diameter (5.8 cm x 6.9 cm)

ELECTRICAL:

Voltage 50Hz/60Hz Single Phase	Max. Pump Run Current	Max. Pump Start Current	Recommended Pump HP
120 VAC	13 amps	60 amps	1/2 HP or less
230 VAC	12 amps	60 amps	1 HP or less

OTHER INFORMATION

PUMP DOWN is normally open contacts for emptying.

DIRECT WIRING

Units used for direct wiring (without plug) may be used in either 120 VAC or 230 VAC applications within specified amp ratings.

SJE Rhombus

www.sjerhombus.com
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SJE MICROMASTER® AC/DC Pump Switch

Mechanically-activated, wide-angle switch designed for performance and dependability.

This mechanically-activated, wide-angle pump switch provides automatic control of pumps in:

- Potable water
- Water
- Sewage applications

This SJE MicroMaster® AC/DC pump switch is not sensitive to rotation or turbulence allowing it to be used in both calm and turbulent applications.



FEATURES

- Passed NSF Standard 61 protocol by an approved Water Quality Association laboratory.
- Mechanically-activated, snap action contacts.
- High impact, corrosion resistant, polypropylene float housing.
- Adjustable pump range of 8 to 36 inches (20 to 91 cm).
- UL Recognized for use in water and sewage.
- CSA Certified.
- Three-year limited warranty.



LR54245



OPTIONS

This switch is available:

- for pump down or pump applications applications as specified by part number.
- without a plug for direct wiring.
- in standard cable length of 15 feet (5 meters).

SPECIFICATIONS

CABLE: flexible 18 gauge, 2 conductor (UL, CSA) SJOW, water-resistant, (CPE)

FLOAT: 2.74 inch diameter x 4.83 inch long (7.0 cm x 12.3 cm), high impact, corrosion resistant, polypropylene housing for use in water up to 140°F (60°C)

MAXIMUM WATER DEPTH: 33 feet (10 meters) or 13 PSI (90 kPa)

ELECTRICAL:

12 VDC:

Maximum Pump Running Current:

10 amps

Maximum Pump Starting Current:

100 amps

125 VAC 50/60Hz Single Phase:

Maximum Pump Run Current:

10 amps

Maximum Pump Starting Current:

60 amps

250 VAC 50/60Hz Single Phase:

Maximum Pump Run Current:

8 amps

Maximum Pump Starting Current:

60 amps

NOTE: This switch is not recommended for controlling:

- electric loads less than 100 milliamps, 12 VAC
- non-arcing electric loads

NOTE: This switch must be used with pumps that provide integral thermal overload protection.

PUMP SWITCHES
(MECHANICAL)

**SJE
Rhombus®**

PO Box 1708, Detroit Lakes, MN 56502

1-888-DIAL-SJE • 1-218-847-1317

1-218-847-4617 Fax

email: sje@sjerhombus.com



www.sjerhombus.com

SEE BACKSIDE FOR ORDERING INFORMATION.

SJE MICROMASTER® AC/DC Pump Switch

Mechanically-activated, wide-angle switch designed for performance and dependability.

ORDERING INFORMATION

PUMP DOWN 		PUMP UP 		List Price	Shipping Weight
Part #	Description	Part #	Description		
1009813	15MMDCDWOP	1012543	15MMDCUWOP	\$47.99	3.63 lbs.

OPTIONS

MOUNTING CLAMP
is standard.

PACKAGING
Bulk - Standard

SPECIFICATIONS

PUMPING RANGE: 8 to 36 inches (20 cm to 91 cm).

CABLE : flexible 18 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

FLOAT: 2.74 inch diameter x 4.83 inch long (7.0 cm x 12.3 cm), high impact, corrosion resistant, polypropylene housing for use in water up to 140°F (60°C)

MAXIMUM WATER DEPTH: 33 feet (10 meters) or 13 psi (90 kPa)

ELECTRICAL:

Voltage 50Hz/60Hz Single Phase	Max. Pump Run Current	Max. Pump Start Current
12 VDC	10 amps	100 amps
125 VAC	10 amps	60 amps
250 VAC	8 amps	60 amps

NOTE: This switch is not recommended for controlling:

- electric loads less than 100 milliamps, 12 VAC
- non-arcing electric loads

NOTE: This switch must be used with pumps that provide integral thermal overload protection.

OTHER INFORMATION

PUMP DOWN is normally open contacts for emptying in potable water, water or sewage applications.

PUMP UP is normally closed contacts for filling in potable water, water or sewage applications.

DIRECT WIRING

Units used for direct wiring (without plug) may be used in 12 VDC, 125 VAC or 250 VAC applications within specified amp ratings.



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sje@sjerhombus.com

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SJE MICROMASTER® PLUS WS Pump Switch

Mechanically-activated, wide-angle switch specifically designed as a mechanical alternative to the mercury-activated Junior Super Single® pump switch.

This mechanically-activated, wide-angle pump switch provides automatic control of pumps in:

- Potable water
- Water
- Sewage applications

This SJE MicroMaster® Plus WS pump switch is not sensitive to rotation or turbulence allowing it to be used in both calm and turbulent applications.



FEATURES

- Passed NSF Standard 61 protocol by an approved Water Quality Association laboratory.
- Mechanically-activated, snap action contacts.
- High impact, corrosion resistant, polypropylene float housing.
- Adjustable pump range of 8 to 36 inches (20 to 91 cm).
- UL Recognized for use in water and sewage.
- CSA Certified.
- Three-year limited warranty.



OPTIONS

This switch is available:

- for pump down or pump applications applications as specified by part number.
- with a 125 VAC or 250 VAC piggy back plug.
- without a plug for direct wiring in 125 VAC or 250 VAC applications.
- in standard cable lengths of 10, 15, 20, or 30 feet and 3, 5, 6, or 10 meters (longer lengths available).

SPECIFICATIONS

CABLE: flexible 16 gauge, 2 conductor (UL, CSA) SJOW, water-resistant, (CPE)

FLOAT: 2.74 inch diameter x 4.83 inch long (7.0 cm x 12.3 cm), high impact, corrosion resistant, polypropylene housing for use in water up to 140°F (60°C)

MAXIMUM WATER DEPTH: 33 feet (10 meters) or 13 PSI (90 kPa)

ELECTRICAL:

125 VAC 50/60Hz Single Phase:

Maximum Pump Running Current:
13 amps
Maximum Pump Starting Current:
78 amps

250 VAC 50/60Hz Single Phase:

Maximum Pump Running Current:
13 amps
Maximum Pump Starting Current:
78 amps

NOTE: This switch is not recommended for controlling:

- electric loads less than 100 milliamps, 12 VAC
- non-arcing electric loads

NOTE: This switch must be used with pumps that provide integral thermal overload protection.

PUMP SWITCHES
(MECHANICAL)

SEE BACKSIDE FOR ORDERING INFORMATION.

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www.sjerhombus.com

SJE MICROMASTER® PLUS WS Pump Switch

Mechanically-activated, wide-angle switch designed for performance and dependability.

ORDERING INFORMATION

PUMP DOWN ⬇️		PUMP UP ⬆️		List Price	Shipping Weight
Part #	Description	Part #	Description		
1022021	10MMPD1WPWS	1022024	10MMPU1WPWS	\$57.31	1.48 lbs.
1022022	10MMPD2WPWS	1022025	10MMPU2WPWS	\$59.34	1.51 lbs.
1022020	10MMPDWOPWS	1022023	10MMPUWOPWS	\$50.17	1.04 lbs.
1022027	15MMPD1WPWS	1022030	15MMPU1WPWS	\$60.46	1.81 lbs.
1022028	15MMPD2WPWS	1022031	15MMPU2WPWS	\$62.50	1.85 lbs.
1022026	15MMPDWOPWS	1022029	15MMPUWOPWS	\$53.33	1.37 lbs.
1022033	20MMPD1WPWS	1022036	20MMPU1WPWS	\$63.75	2.14 lbs.
1022034	20MMPD2WPWS	1022037	20MMPU2WPWS	\$65.67	2.19 lbs.
1022032	20MMPDWOPWS	1022035	20MMPUWOPWS	\$56.48	1.69 lbs.
1022039	30MMPD1WPWS	1022042	30MMPU1WPWS	\$70.44	2.86 lbs.
1022040	30MMPD2WPWS	1022043	30MMPU2WPWS	\$72.48	2.90 lbs.
1022038	30MMPDWOPWS	1022041	30MMPUWOPWS	\$63.32	2.34 lbs.

D = Pump Down U = Pump Up 1 = 125 VAC 2 = 250 VAC

WP = With Plug WOP = With Out Plug

NOTE: Descriptions are grouped by cable length measured in feet (10, 15, 20, 30).

SEE PRICE BOOK FOR LIST PRICE.

OPTIONS

MOUNTING CLAMP is standard.

If mounting clamp is not required, specify and deduct 60¢ from list price.

CABLE WEIGHT MOUNTING

Is also available.

PACKAGING

Boxed - Standard

Bagged - Specify and deduct 40¢ from list price.

Bulk - Specify and deduct 60¢ from list price.

ADDITIONAL CABLE

Additional cable length over 30 feet is available at 80¢ per foot (list price).

UL Recognized for
LR5 Water & Sewage



SPECIFICATIONS

PUMPING RANGE: 8 to 36 inches (20 cm to 91 cm).

CABLE : flexible 16 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

FLOAT: 2.74 inch diameter x 4.83 inch long (7.0 cm x 12.3 cm), high impact, corrosion resistant, polypropylene housing for use in water up to 140°F (60°C)

MAXIMUM WATER DEPTH: 33 feet (10 meters) or 13 psi (90 kPa)

ELECTRICAL:

Voltage 50Hz/60Hz Single Phase	Max. Pump Run Current	Max. Pump Start Current
125 VAC	13 amps	78 amps
250 VAC	13 amps	78 amps

NOTE: This switch is not recommended for controlling:

- electric loads less than 100 milliamps, 12 VAC
- non-arcing electric loads

NOTE: This switch must be used with pumps that provide integral thermal overload protection.

OTHER INFORMATION

PUMP DOWN is normally open contacts for emptying in potable water, water or sewage applications.

PUMP UP is normally closed contacts for filling in potable water, water or sewage applications.

DIRECT WIRING

Units used for direct wiring (without plug) may be used in 125 VAC or 250 VAC applications within specified amp ratings.

SJE Rhombus

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sje@sjrhombus.com

Cat Page PN 1022125H
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JUNIOR SUPER SINGLE® Pump Switch

Mercury activated, wide-angle switch designed for direct control of pumps up to 1/2 HP at 120 VAC and 1 HP at 230 VAC.

This mercury activated, wide-angle pump switch provides automatic control of smaller pumps in non-potable water and sewage applications.

Although this switch is not sensitive to rotation, it is affected by turbulence and should be mounted in a non-turbulent location.

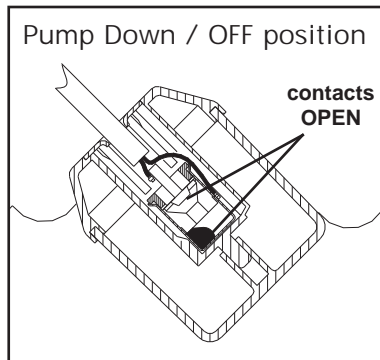
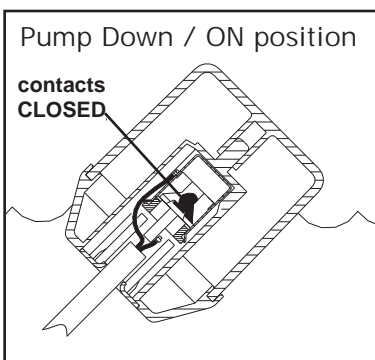
The **Junior Super Single®** pump switch is not recommended for use with motor contactors or relays because the motor contactor or relay may experience chattering. A Super Single® or Double Float® pump switch would operate more efficiently in these installations.



U.S. Patent Nos. 4,529,854 & 4,572,934

FEATURES

- Controls pumps up to 1/2 HP at 120 VAC and 1 HP at 230 VAC.
- Adjustable pumping range of 6.5 to 19 inches (16.5 to 48 cm).
- Includes standard mounting clamp and boxed packaging.
- UL Recognized for use in non-potable water and sewage.
- CSA Certified.
- Three-year limited warranty.



OPTIONS

This switch is available:

- for pump down or pump up applications as specified by part number.
- with a 120 VAC or 230 VAC piggy-back plug.
- without a plug for direct wiring in 120 VAC or 230 VAC applications.
- in standard cable lengths of 10, 15, 20, or 30 feet and 3, 5, 6, or 10 meters (longer lengths available).

SPECIFICATIONS

CABLE: flexible 16 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

FLOAT: 2.81 inch diameter x 3.42 inch long (7.14 cm x 8.68 cm), high impact, corrosion resistant, PVC housing for use in sewage and non-potable water up to 140°F (60°C)

MERCURY SWITCH: mercury-to-metal contacts, hermetically sealed in a steel capsule

ELECTRICAL:

120 VAC 50/60Hz Single Phase:

Maximum Pump Running Current:
13 amps

Maximum Pump Starting Current:
40 amps

Recommended Pump HP:
1/2 HP or less

230 VAC 50/60Hz Single Phase:

Maximum Pump Running Current:
8 amps

Maximum Pump Starting Current:
20 amps

Recommended Pump HP:
1 HP or less

NOTE: This switch must be used with pumps that provide integral thermal overload protection.

PUMP SWITCHES
(MERCURY)

SEE BACKSIDE FOR ORDERING INFORMATION.
SEE PRICE BOOK FOR LIST PRICE.

SJE Rhombus®

PO Box 1708, Detroit Lakes, MN 56502

1-888-DIAL-SJE • 1-218-847-1317

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www.sjerhombus.com

JUNIOR SUPER SINGLE® Pump Switch

Mercury activated, wide-angle switch designed for direct control of pumps up to 1/2 HP at 120 VAC and 1 HP at 230 VAC.

ORDERING INFORMATION

PUMP DOWN ⬇		PUMP UP ⬆		List Price	Shipping Weight
Part #	Description	Part #	Description		
1001896	10JSD1WP	1001918	10JSU1WP	\$63.79	1.45 lbs.
1001914	10JSD2WP	1001921	10JSU2WP	\$65.96	1.48 lbs.
1001916	10JSDWOP	1001923	10JSUWOP	\$55.96	1.37lbs.
1001817	15JSD1WP	1001930	15JSU1WP	\$67.11	1.77 lbs.
1001926	15JSD2WP	1001932	15JSU2WP	\$69.45	1.81 lbs.
1001928	15JSDWOP	1001934	15JSUWOP	\$59.43	1.68 lbs.
1001898	20JSD1WP	1001941	20JSU1WP	\$70.60	2.11 lbs.
1001937	20JSD2WP	1001943	20JSU2WP	\$72.91	2.14 lbs.
1001939	20JSDWOP	1001945	20JSUWOP	\$62.92	2.03 lbs.
1001900	30JSD1WP	1001952	30JSU1WP	\$78.14	2.82 lbs.
1001948	30JSD2WP	1001954	30JSU2WP	\$80.33	2.86 lbs.
1001950	30JSDWOP	1001956	30JSUWOP	\$70.33	2.74 lbs.

D = Pump Down U = Pump Up 1 = 120 VAC 2 = 230 VAC

WP = With Plug WOP = With Out Plug

NOTE: Descriptions are grouped by cable length measured in feet (10, 15, 20, 30).

SEE PRICE BOOK FOR LIST PRICE.

OPTIONS

MOUNTING CLAMP is standard.

If mounting clamp is not required, specify and deduct 60¢ from list price.

CABLE WEIGHT MOUNTING

Is also available.

PACKAGING

Boxed - Standard

Bagged - Specify and deduct 40¢ from list price.

Bulk - Specify and deduct 60¢ from list price.

ADDITIONAL CABLE

Additional cable length over 30 feet is available at 80¢ per foot (list price).

UL Recognized for Water & Sewage



SPECIFICATIONS

PUMPING RANGE: 6.5 to 19 inches (16.5 cm to 48 cm)

CABLE: flexible 16 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

FLOAT: 2.81 inch diameter x 3.42 inch long (7.14cm x 8.68 cm), high impact, corrosion resistant, PVC housing for use in sewage and non-potable water up to 140°F (60°C)

MERCURY SWITCH: mercury-to-metal contacts, hermetically sealed in a steel capsule

ELECTRICAL:

Voltage 50Hz/60Hz Single Phase	Max. Pump Run Current	Max. Pump Start Current	Recommended Pump HP
120 VAC	13 amps	40 amps	1/2 HP or less
230 VAC	8 amps	20 amps	1 HP or less

NOTE: This switch must be used with pumps that provide integral thermal overload protection. This switch is not designed to be directly wired to relays or motor contactors.

OTHER INFORMATION

PUMP DOWN is normally open contacts for emptying.

PUMP UP is normally closed contacts for filling.

DIRECT WIRING

Units used for direct wiring (without plug) may be used in either 120 VAC or 230 VAC applications within specified amp ratings.



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Cat Page PN 1012513L
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SUPER SINGLE® Pump Switch

Mercury activated, wide-angle switch designed to control pumps up to 1 HP at 120 VAC and 2 HP at 230 VAC.

This mercury activated, wide-angle pump switch provides automatic control of pumps in non-potable water and sewage applications. This switch is not sensitive to rotation or turbulence.

The **Super Single®** pump switch is suitable for use with intrinsically safe circuits. Contact SJE-Rhombus regarding specific intrinsically safe applications.



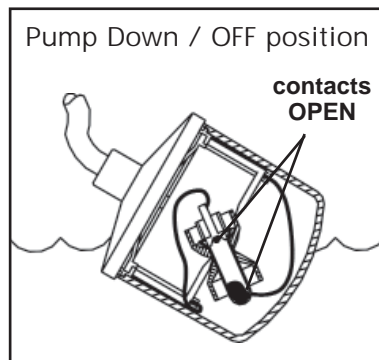
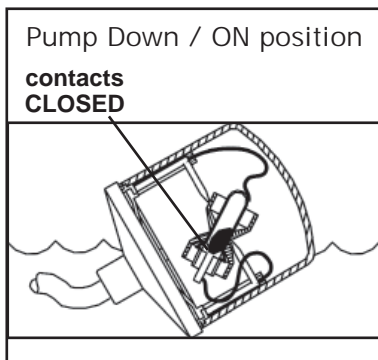
U.S. Patent No. 4,302,641

FEATURES

- Patented tumbler assembly gives positive pump on or pump off.
- Controls pumps up to 1 HP at 120 VAC and 2 HP at 230 VAC.
- Adjustable pumping range of 6.5 to 13.5 inches (176.5 to 34 cm).
- Includes standard mounting clamp and boxed packaging.
- UL Recognized for use in non-potable water and sewage.
- CSA Certified.
- Three-year limited warranty.



Member of
Hydraulic
Pump Division



OPTIONS

This switch is available:

- for pump down or pump up applications as specified by part number.
- with a 120 VAC or 230 VAC piggy-back plug.
- without a plug for direct wiring in 120 VAC or 230 VAC applications.
- in standard cable lengths of 10, 15, 20, or 30 feet and 3, 5, 6, or 10 meters (longer lengths available).

SPECIFICATIONS

CABLE: flexible 14 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

FLOAT: 3.38 inch diameter x 4.25 inch long (8.58 x 10.80 cm) high impact, corrosion resistant, PVC housing for use in sewage and non-potable water up to 140°F (60°C)

MERCURY SWITCH: mercury-to-mercury contacts, hermetically sealed in a steel capsule

ELECTRICAL:

120 VAC 50/60Hz Single Phase:

Maximum Pump Running Current:

15 amps

Maximum Pump Starting Current:

55 amps

Recommended Pump HP:

1 HP or less

230 VAC 50/60Hz Single Phase:

Maximum Pump Running Current:

12 amps

Maximum Pump Starting Current:

35 amps

Pump HP:

2 HP or less

Recommended

NOTE: This switch must be used with pumps that provide integral thermal overload protection.

PUMP SWITCHES
(MERCURY)

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SEE BACKSIDE FOR ORDERING INFORMATION.

SUPER SINGLE® Pump Switch

Mercury activated, wide-angle switch designed to control pumps up to 1 HP at 120 VAC and 2 HP at 230 VAC.

ORDERING INFORMATION

PUMP DOWN ⬇		PUMP UP ⬆		List Price	Shipping Weight
Part #	Description	Part #	Description		
1001958	10SSD1WP	1001965	10SSU1WP	\$113.09	1.75 lbs.
1001961	10SSD2WP	1001967	10SSU2WP	\$115.47	1.76 lbs.
1001963	10SSDWOP	1001969	10SSUWOP	\$105.26	1.65 lbs.
1001971	15SSD1WP	1001977	15SSU1WP	\$116.94	2.15 lbs.
1001973	15SSD2WP	1001979	15SSU2WP	\$119.15	2.18 lbs.
1001975	15SSDWOP	1001981	15SSUWOP	\$108.95	2.08 lbs.
1001983	20SSD1WP	1001989	20SSU1WP	\$120.50	2.67 lbs.
1001985	20SSD2WP	1001991	20SSU2WP	\$122.70	2.71 lbs.
1001987	20SSDWOP	1001993	20SSUWOP	\$112.51	2.59 lbs.
1001988	30SSD1WP	1002000	30SSU1WP	\$128.76	3.35 lbs.
1001996	30SSD2WP	1002002	30SSU2WP	\$131.13	3.39 lbs.
1001998	30SSDWOP	1002004	30SSUWOP	\$120.92	3.27 lbs.

D = Pump Down U = Pump Up 1 = 120 VAC 2 = 230 VAC

WP = With Plug WOP = With Out Plug

NOTE: Descriptions are grouped by cable length measured in feet (10, 15, 20, 30).

OPTIONS

MOUNTING CLAMP is standard.

If mounting clamp is not required, specify and deduct 60¢ from list price.

CABLE WEIGHT MOUNTING

Is also available.

PACKAGING

Boxed - Standard

Bagged - Specify and deduct 40¢ from list price.

Bulk - Specify and deduct 60¢ from list price.

ADDITIONAL CABLE

Additional cable length over 30 feet is available at \$1.60 per foot (list price).

UL Recognized for Water & Sewage



SPECIFICATIONS

PUMPING RANGE: 6.5 to 13.5 inches (16.5 cm to 34 cm)

CABLE: flexible 14 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

FLOAT: 3.38 inch diameter x 4.25 inch long (8.58 cm x 10.80 cm), high impact, corrosion resistant, PVC housing for use in sewage and non-potable water up to 140°F (60°C)

MERCURY SWITCH: mercury-to-mercury contacts, hermetically sealed in a steel capsule

ELECTRICAL:

Voltage 50Hz/60Hz Single Phase	Max. Pump Run Current	Max. Pump Start Current	Recommended Pump HP
120 VAC	15 amps	55 amps	1 HP or less
230 VAC	12 amps	35 amps	2 HP or less

NOTE: This switch must be used with pumps that provide integral thermal overload protection. Suitable for use with intrinsically safe circuits.

Contact SJE-Rhombus regarding specific intrinsically safe applications.

OTHER INFORMATION

PUMP DOWN is normally open contacts for emptying.

PUMP UP is normally closed contacts for filling.

DIRECT WIRING

Units used for direct wiring (without plug) may be used in either 120 VAC or 230 VAC applications within specified amp ratings.



www.sjerhombus.com
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Cat Page PN 1012514M
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DOUBLE FLOAT® Pump Switch

Mercury activated, wide-angle switch designed to control pumps up to 1 HP at 120 VAC and 2 HP at 230 VAC.

This mercury activated, wide-angle pump switch provides automatic control of pumps in non-potable water and sewage applications. It is well-suited for confined applications requiring an accurate pumping range. It is not sensitive to rotation or turbulence. This switch is voltage sensitive - use with correct voltage.

The **Double Float®** pump switch consists of two floats and a splice tube. Each float contains a heavy-duty mercury switch. The splice tube contains a holding relay which enables the floats to function in series.

The holding relay eliminates pump chatter in turbulent conditions allowing the **Double Float®** pump switch to operate relay control panels for larger pump applications.



FEATURES

- Controls pumps up to 1 HP at 120 VAC and 2 HP at 230 VAC.
- Adjustable pumping range of 1.75 to 48 inches (4.45 to 122 cm) with increased pumping range up to 6 feet (1.8 meters) available.
- Includes standard mounting clamps and boxed packaging.
- UL Recognized for use in non-potable water and sewage.
- CSA Certified.
- Three-year limited warranty.



SPECIFICATIONS

Cable attached to float housing: flexible 14 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

Cable above splice: flexible 14 gauge, 3 conductor (UL, CSA) SJTW, water-resistant, thermoplastic

FLOATS: 3.38 inch diameter x 4.55 inch long (8.58 x 11.56 cm) high impact, corrosion resistant, PVC housing for use in sewage and non-potable water up to 140°F (60°C)

MERCURY SWITCH: mercury-to-mercury contacts, hermetically sealed in a steel capsule

ELECTRICAL:

120 VAC 50/60Hz Single Phase:

Maximum Pump Running Current:

15 amps

Maximum Pump Starting Current:

55 amps

Recommended Pump HP:

1 HP or less

230 VAC 50/60Hz Single Phase:

Maximum Pump Running Current:

12 amps

Maximum Pump Starting Current:

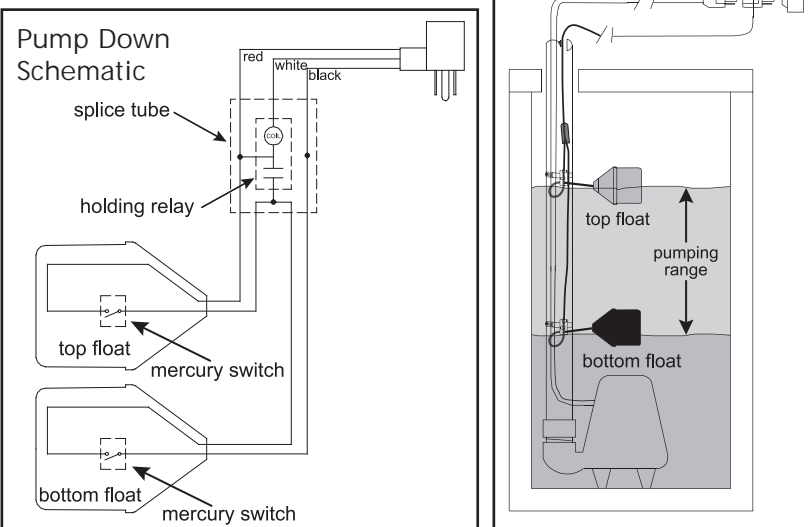
35 amps

Recommended Pump HP:

2 HP or less

NOTE: This switch must be used with pumps that provide integral thermal overload protection.

Pump Down Schematic



OPTIONS

This switch is available:

- for pump down or pump up applications as specified by part number.
- with a 120 VAC or 230 VAC piggy-back plug.
- without a plug for direct wiring (120 VAC units can only be used with 120 VAC applications within specified amp ratings. 230 VAC units can only be used with 230 VAC applications within specified amp ratings).
- in standard cable lengths of 15, 20, or 30 feet and 5 or 10 meters (longer lengths available).

SEE BACKSIDE FOR ORDERING INFORMATION.

SJE Rhombus®

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www.sjerhombus.com

DOUBLE FLOAT® Pump Switch

Mercury activated, wide-angle switch designed to control pumps up to 1 HP at 120 VAC and 2 HP at 230 VAC.

ORDERING INFORMATION

PUMP DOWN 		PUMP UP 		List Price	Shipping Weight
Part #	Description	Part #	Description		
1002022	15DFD1WP	1002030	15DFU1WP	\$142.68	3.63 lbs.
1002024	15DFD2WP	1002032	15DFU2WP	\$146.51	3.64 lbs.
1002026	15DFD1WOP	1002034	15DFU1WOP	\$134.22	3.55 lbs.
1002028	15DFD2WOP	1002036	15DFU2WOP	\$137.05	3.51 lbs.
1002038	20DFD1WP	1002046	20DFU1WP	\$148.00	4.04 lbs.
1002040	20DFD2WP	1002048	20DFU2WP	\$151.83	4.08 lbs.
1002042	20DFD1WOP	1002050	20DFU1WOP	\$139.57	3.97 lbs.
1002044	20DFD2WOP	1002052	20DFU2WOP	\$142.37	4.01 lbs.
1002054	30DFD1WP	1002062	30DFU1WP	\$159.37	4.95 lbs.
1002056	30DFD2WP	1002064	30DFU2WP	\$163.21	4.99 lbs.
1002058	30DFD1WOP	1002066	30DFU1WOP	\$151.09	4.86 lbs.
1002060	30DFD2WOP	1002068	30DFU2WOP	\$153.75	4.87 lbs.

D = Pump Down U = Pump Up 1 = 120 VAC 2 = 230 VAC

WP = With Plug WOP = With Out Plug

NOTE: Descriptions are grouped by cable length measured in feet (15, 20, 30).

OPTIONS

MOUNTING CLAMP is standard.

If mounting clamp is not required, specify and deduct 60¢ from list price.

PACKAGING

Boxed - Standard

Bagged - Specify and deduct 40¢ from list price.

Bulk - Specify and deduct 60¢ from list price.

ADDITIONAL CABLE

Additional cable length over 30 feet is available at \$1.60 per foot (list price).

UL Recognized for
Water & Sewage



LR54245

SPECIFICATIONS

PUMPING RANGE: 1.75 to 48 inches (4.45 cm to 122 cm), increased pumping range available. Call factory for quote.

CABLE ATTACHED TO FLOAT HOUSING: flexible 14 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

CABLE ABOVE SPLICE: flexible 14 gauge, 3 conductor (UL, CSA) SJTW, water-resistant thermoplastic

FLOAT: 3.38 inch diameter x 4.55 inch long (8.58 cm x 11.5 cm), high impact, corrosion resistant, PVC housing for use in sewage and non-potable water up to 140°F (60°C)

ELECTRICAL:

Voltage 50Hz/60Hz Single Phase	Max. Pump Run Current	Max. Pump Start Current	Recommended Pump HP
120 VAC	15 amps	55 amps	1 HP or less
230 VAC	12 amps	35 amps	2 HP or less

NOTE: This switch must be used with pumps that provide integral thermal overload protection.

OTHER INFORMATION

PUMP DOWN is normally open contacts for emptying.

PUMP UP is normally closed contacts for filling.

DIRECT WIRING

120 VAC units used for direct wiring (without plug) can **only** be used with **120 VAC** applications within specified amp ratings.

230 VAC units used for direct wiring (without plug) can **only** be used with **230 VAC** applications within specified amp ratings.



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CONTROL SWITCH OVERVIEW

Narrow-angle control switches accurately monitor high (normally open) or low (normally closed) liquid level conditions in water and sewage applications to activate control panels and alarms. Select modes have colored caps for easy identification. **UL Recognized, CSA Certified.** *Denotes passed **NSF Standard 61** protocol for approved Water Quality Association lab for use in potable water.

Control Switch	Type of Activation	Control Differential	Electrical Rating	Mounting Options
 *SJE SignalMaster®  Yellow Cap = Normally open	Mechanically Activated	Approx 1.5 in (4 cm) above or below horizontal	5 amp 125V or 250V	Mounting clamp or cable weight
 *SJE SignalMaster®  White Cap = Normally closed	Mechanically Activated	Approx 1.5 in (4 cm) above or below horizontal	5 amp 125V or 250V	Mounting clamp or cable weight
 *SJE SignalMaster® SPDT  Green Cap = Single Pole, Double Throw	Mechanically Activated	Approx 1.5 in (4 cm) above or below horizontal	5 amp 125V or 250V	Mounting clamp or cable weight
 *SJE MilliAmpMaster®  Blue Cap = Narrow or Wide Angle	Mechanically Activated	Narrow 1.5 inch (4 cm) Wide 4 in (10 cm) above or below horizontal	0.160 - 100mA 5V - 125V	Mounting clamp or cable weight
 Sensor Float®	Mercury Activated	Approx .5 in (1 cm) above or below horizontal	5 amp 120V or 230V	Mounting clamp, cable weight, internal weight
 Sensor Float® Mini	Mercury Activated	Approx .5 in (1 cm) above or below horizontal	5 amp 120V or 230V	Mounting clamp or cable weight

SJE SIGNALMASTER® Control Switch

Mechanically-activated, narrow-angle float switch designed to activate pump control panels and alarms.

This narrow-angle sensing device is used to accurately monitor liquid levels in:

- potable water
- water
- sewage applications

The SJE SignalMaster® control switch is not sensitive to rotation.

Normally Open Model (high level)

The control switch turns on (closes) when the switch tips slightly **above** horizontal signaling a high level, and turns off (opens) when the switch drops slightly below horizontal.

Normally Closed Model (low level)

The control switch turns on (closes) when the switch tips slightly **below** horizontal signaling a low level, and turns off (opens) when the switch tips slightly above horizontal.



FEATURES

- Passed NSF Standard 61 protocol by an approved Water Quality Association laboratory.
- Mechanically-activated, snap action contacts.
- High impact, corrosion resistant, polypropylene float housing.
- Not sensitive to rotation.
- Control differential of 1.5 inches (4 cm) above or below horizontal.
- Yellow colored cap for easy identification of normally open control switch.
- White colored cap for easy identification of normally closed control switch.
- UL Listed for use in water and sewage.
- CSA Certified.
- Three-year limited warranty.



MEMBER

Hydraulic

Water Quality Association

SPECIFICATIONS

CABLE: flexible 18 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

FLOAT: 2.74 inch diameter x 4.83 inch long (7.0 x 12.3 cm) high impact, corrosion resistant, polypropylene housing for use in sewage and water up to 140°F (60°C)

MAXIMUM WATER DEPTH: 30 feet (9 meters), 13 PSI (90 kPa)

ELECTRICAL: 5 amp, 125/250 VAC, 50/60 Hz

NOTE: This switch is not recommended for controlling:

- electric loads less than 100 milliamps, 12 VAC
- non-arcing electric loads

OPTIONS

This switch is available:

- CE certified unit available upon request.
- for normally open (high level) applications or normally closed (low level) applications.
- in standard cable lengths of 10, 15, 20, or 30 feet and 3, 5, 6, or 10 meters (longer lengths available)
- with two mounting options that allow for flexibility in installation:

Mounting Clamp: for applications where the switch can be attached to a discharge pipe or similar mounting device.

Externally Weighted: for applications where the switch can be suspended from above.

CONTROL SWITCHES
(MECHANICAL)

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SEE BACKSIDE FOR ORDERING INFORMATION.

SJE SIGNALMASTER® Control Switch

Mechanically-activated, narrow-angle float switch designed to activate pump control panels and alarms.

ORDERING INFORMATION

Normally Open		Normally Closed		List Price	Shipping Weight
Part #	Description	Part #	Description		
1006042	10SGMPCNO	1006046	10SGMPCNC	\$33.39	1.04 lbs.
1006050	10SGMWENO	1006054	10SGMWENC	\$40.91	2.73 lbs.
1006043	15SGMPCNO	1006047	15SGMPCNC	\$36.53	1.37 lbs.
1006051	15SGMWENO	1006055	15SGMWENC	\$44.07	3.05 lbs.
1006044	20SGMPCNO	1006048	20SGMPCNC	\$39.68	1.69 lbs.
1006052	20SGMWENO	1006056	20SGMWENC	\$47.23	3.30 lbs.
1006045	30SGMPCNO	1006049	30SGMPCNC	\$46.53	2.34 lbs.
1006053	30SGMWENO	1006057	30SGMWENC	\$54.04	4.03 lbs.

OPTIONS

PACKAGING

Bagged - Standard
Boxed - Specify and add \$1.80 to list price.
Bulk - Specify and deduct 20¢ from list price.

No Mounting -

Specify and deduct 60¢ from mounting clamp list price.

ADDITIONAL CABLE

Additional cable length over 30 feet is available at 80¢ per foot (list price).

PC = Pipe Clamp **WE** = Weighted Externally **NO** = Normally Open **NC** = Normally Closed

NOTE: Descriptions are grouped by cable length measured in feet (10, 15, 20, 30).

Passed NSF standard 61 protocol by an approved Water Quality Association laboratory.



SPECIFICATIONS

CABLE: flexible 18 gauge, 2 conductor (UL) SJOW, water-resistant (CPE)

FLOAT: 2.74 inch diameter x 4.83 inch long (7 x 12.3 cm), high impact, corrosion resistant polypropylene for use in sewage and water up to 140°F (60°C)

MAXIMUM WATER DEPTH: 30 feet (9 meters), 13 psi

ELECTRICAL: 5 amp, 125/250 VAC, 50/60 Hz

This switch is not recommended for controlling:

- electric loads less than 100 milliamps, 12 VAC
- non-arcing electric loads

OTHER INFORMATION

NORMALLY OPEN (high level) OPERATION

The control switch closes (turns on) when the float tips slightly **above** horizontal signaling a high level, and opens (turns off) when the float drops slightly **below** horizontal in potable water, water or sewage applications.

NORMALLY CLOSED (low level) OPERATION

The control switch closes (turns on) when the float tips slightly **below** horizontal signaling a low level, and opens (turns off) when the float tips slightly **above** horizontal in potable water, water or sewage applications.



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Call or fax your order!

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SJE SIGNALMASTER® SPDT Control Switch

Mechanically-activated, narrow-angle float switch designed to activate pump control panels and alarms.

This narrow-angle sensing device is used to accurately monitor liquid levels in:

- potable water
- water
- sewage applications

The SJE SignalMaster® SPDT control switch can be wired to work in either normally open or normally closed applications. It is not sensitive to rotation.

When wired as Normally Open (high level)

The control switch turns on (closes) when the switch tips slightly **above** horizontal signaling a high level, and turns off (opens) when the switch drops slightly below horizontal.

When wired as Normally Closed (low level)

The control switch turns on (closes) when the switch tips slightly **below** horizontal signaling a low level, and turns off (opens) when the switch tips slightly above horizontal.



FEATURES

- Passed NSF Standard 61 protocol by an approved Water Quality Association laboratory.
- Can be wired to work in either normally open or normally closed applications (**Single Pole, Double Throw**).
- Mechanically-activated, snap action contacts.
- High impact, corrosion resistant, polypropylene float housing.
- Not sensitive to rotation.
- Control differential of 1.5 inches (4 cm) above or below horizontal.
- Green colored cap for easy identification of SPDT control switch.
- UL Listed for use in water and sewage.
- CSA Certified.
- Three-year limited warranty.



MEMBER



SPECIFICATIONS

CABLE: flexible 18 gauge, 3 conductor (UL) SJOW, water-resistant (CPE)

FLOAT: 2.74 inch diameter x 4.83 inch long (7.0 x 12.3 cm) high impact, corrosion resistant, polypropylene housing for use in sewage and water up to 140°F (60°C)

MAXIMUM WATER DEPTH: 30 feet (9 meters), 13 PSI (90 kPa)

ELECTRICAL: 5 amp, 125/250 VAC, 50/60 Hz

NOTE: This switch is not recommended for controlling:

- electric loads less than 100 milliamps, 12 VAC
- non-arcing electric loads

OPTIONS

This switch is available:

- CE certified switch available upon request
- in standard cable lengths of 10, 15, 20, or 30 feet and 3, 5, 6, or 10 meters (longer lengths available)
- with two mounting options that allow for flexibility in installation:

Mounting Clamp: for applications where the switch can be attached to a discharge pipe or similar mounting device.

Externally Weighted: for applications where the switch can be suspended from above.

CONTROL SWITCHES
(MECHANICAL)

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SEE BACKSIDE FOR ORDERING INFORMATION.

SJE SIGNALMASTER® SPDT Control Switch

Mechanically-activated, narrow-angle float switch designed to activate pump control panels and alarms.

ORDERING INFORMATION

Normally Open or Normally Closed		List Price	Shipping Weight
Part Number	Description		
1006094	10SGMSPDTPC	\$38.94	1.20 lbs.
1006098	10SGMSPDTWE	\$46.60	2.89 lbs.
1006095	15SGMSPDTPC	\$42.41	1.61 lbs.
1006099	15SGMSPDTWE	\$50.09	3.29 lbs.
1006096	20SGMSPDTPC	\$45.93	2.01 lbs.
1006100	20SGMSPDTWE	\$53.57	3.70 lbs.
1006097	30SGMSPDTPC	\$53.57	2.82 lbs.
1006101	30SGMSPDTWE	\$61.28	4.51 lbs.

PC = Pipe Clamp WE = Weighted Externally

Can be wired to work in either pump down (normally open) or pump up (normally closed) applications.

NOTE: Descriptions are grouped by cable length measured in feet (10, 15, 20, 30).

OPTIONS

PACKAGING

Bagged - Standard
Boxed - Specify and add \$1.80 to list price.
Bulk - Specify and deduct 20¢ from list price.

No Mounting -

Specify and deduct 60¢ from mounting clamp list price.

ADDITIONAL CABLE

Additional cable length over 30 feet is available at 80¢ per foot (list price).

Passed NSF standard 61 protocol by an approved Water Quality Association laboratory.



SPECIFICATIONS

CABLE: flexible 18 gauge, 3 conductor (UL) SJOW, water-resistant (CPE)

FLOAT: 2.74 inch diameter x 4.83 inch long (7 cm x 12.3 cm), high impact, corrosion resistant polypropylene for use in sewage and water up to 140°F (60°C)

MAXIMUM WATER DEPTH: 30 feet (9 meters), 13 psi

ELECTRICAL: 5 amp, 125/250 VAC, 50/60 Hz

This switch is not recommended for controlling:

- electric loads less than 100 milliamps, 12 VAC
- non-arcing electric loads

OTHER INFORMATION

NORMALLY OPEN (high level) OPERATION

The control switch closes (turns on) when the float tips slightly **above** horizontal signaling a high level, and opens (turns off) when the float drops slightly **below** horizontal in potable water, water or sewage applications.

NORMALLY CLOSED (low level) OPERATION

The control switch closes (turns on) when the float tips slightly **below** horizontal signaling a low level, and opens (turns off) when the float tips slightly **above** horizontal in potable water, water or sewage applications.



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SJE MILLIAMPMASTER™ Control Switch

Mechanically-activated control switch designed to activate low current control panels and alarms.

This wide-angle or narrow-angle control switch offers reliable low current control for AC and DC applications in potable water, wastewater, and sewage. The internal switching mechanism has sealed gold cross-point contacts for reliable low current operation. Common applications include PLC (programmable logic controller) panels, IS panels with intrinsically safe barriers, low current solar applications, and other low current control panels and alarms applications.

The wide-angle version activates/deactivates approximately 4" (10.16 cm) above and below horizontal with a 3.5" (9 cm) tether. The narrow angle version activates/deactivates at approximately 1.5" (3.81 cm) above and below horizontal with a 3.5" (9 cm) tether. It is not sensitive to rotation.

Normally Open Model (high level)

The control switch turns on (closes) when the switch tips **above** horizontal signaling a high level, and turns off (opens) when the switch drops below horizontal.

Normally Closed Model (low level)

The control switch turns on (closes) when the switch drops **below** horizontal signaling a low level, and turns off (opens) when the switch tips above horizontal.

FEATURES

- Passed NSF Standard 61 protocol by an approved Water Quality Association laboratory.
- Low current, non-arching applications down to 0.160 mA at 125 VAC.
- Mechanically-activated, snap action contacts.
- High impact, corrosion resistant polypropylene float housing.
- Not sensitive to rotation.
- Blue colored cap for easy identification of SJE MilliAmpMaster™ control switch.
- UL Listed for use in non-potable water and sewage.
- CSA Certified.
- Three-year limited warranty.



OPTIONS

This switch is available:

- for normally open (high level) applications or normally closed (low level) applications.
- with narrow or wide-angle pumping ranges.
- in standard cable lengths of 10, 15, 20, or 30 feet and 3, 5, 6, or 10 meters (longer lengths available).
- with two mounting options that allow for flexibility in installation:

Mounting Clamp: for applications where the switch can be attached to a discharge pipe or similar mounting device.

Externally Weighted: for applications where the switch can be suspended from above.



SPECIFICATIONS

CABLE: flexible 18 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

FLOAT: 2.74 inch diameter x 4.83 inch long (7.0 cm x 12.3 cm), high-impact, corrosion resistant, polypropylene housing for use in sewage and water up to 140°F (60°C)

MAXIMUM WATER DEPTH: 30 feet (9 meters), 13 PSI (90kPa)

ELECTRICAL:

125 VAC

Maximum Electrical Load:
0.1 amps

Minimum Electrical Load:
0.160 milliamps

30 VDC

Maximum Electrical Load:
0.1 amps

Minimum Electrical Load:
0.160 milliamps

5 VDC

Minimum Electrical Load:
1 milliamps

CONTROL SWITCHES
(MECHANICAL)

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SEE BACKSIDE FOR ORDERING INFORMATION.

SJE MILLIAMPMMASTER™ Control Switch

Mechanically-activated control switch designed to activate low current control panels and alarms.

ORDERING INFORMATION

Narrow-Angle Versions

Normally Open		Normally Closed		List Price	Shipping Weight
Part #	Description	Part #	Description		
1018838	10MANPCNO	1018839	10MANPCNC	\$37.32	1.04 lbs.
1018840	10MANWENO	1018841	10MANWENC	\$44.29	2.73 lbs.
1018842	15MANPCNO	1018843	15MANPCNC	\$40.25	1.37 lbs.
1018844	15MANWENO	1018845	15MANWENC	\$47.21	3.05 lbs.
1018846	20MANPCNO	1018847	20MANPCNC	\$43.16	1.69 lbs.
1018848	20MANWENO	1018849	20MANWENC	\$50.11	3.30 lbs.
1018850	30MANPCNO	1018851	30MANPCNC	\$49.47	2.34 lbs.
1018852	30MANWENO	1018853	30MANWENC	\$56.43	4.03 lbs.

Wide-Angle Versions

Normally Open		Normally Closed		List Price	Shipping Weight
Part #	Description	Part #	Description		
1015725	10MAPCNO	1016180	10MAPCNC	\$37.32	1.04 lbs.
1016181	10MAWENO	1016182	10MAWENC	\$44.29	2.73 lbs.
1016184	15MAPCNO	1016185	15MAPCNC	\$40.25	1.37 lbs.
1016186	15MAWENO	1016187	15MAWENC	\$47.21	3.05 lbs.
1016211	20MAPCNO	1016212	20MAPCNC	\$43.16	1.69 lbs.
1016213	20MAWENO	1016214	20MAWENC	\$50.11	3.30 lbs.
1016215	30MAPCNO	1016216	30MAPCNC	\$49.47	2.34 lbs.
1016217	30MAWENO	1016218	30MAWENC	\$56.43	4.03 lbs.

PC = Pipe Clamp WE = Weighted Externally NO = Normally Open NC = Normally Closed

NOTE: Descriptions are grouped by cable length measured in feet (10, 15, 20, 30).

OPTIONS

PACKAGING

Bagged - Standard
Boxed - Specify and add \$1.80 to list price.
Bulk - Specify and deduct 20¢ from list price.

No Mounting - Specify and deduct 60¢ from mounting clamp list price.

ADDITIONAL CABLE

Additional cable length over 30 feet is available at 80¢ per foot (list price).

UL Listed for Water & Sewage



Passed NSF standard 61 protocol by an approved Water Quality Association laboratory.



SPECIFICATIONS

CABLE: flexible 18 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE) jacket

FLOAT: 2.74 inch diameter x 4.83 inch long (7.0 cm x 12.3 cm), high impact, corrosion resistant, polypropylene housing for use in sewage and water up to 140°F (60°C)

MAXIMUM WATER DEPTH: 30 feet (9 meters), 13 psi

ELECTRICAL:

125 VAC

Maximum Electrical Load:
0.1 amps

Minimum Electrical Load:
0.160 milliamps

30 VDC

Maximum Electrical Load:
0.1 amps

Minimum Electrical Load:
0.160 milliamps

5 VDC

Minimum Electrical Load:
1 milliamps

OTHER INFORMATION

NORMALLY OPEN (HIGH LEVEL) OPERATION

The control switch closes (turns on) when the float tips **above** horizontal signaling a high level, and opens (turns off) when the float drops **below** normal.

NORMALLY CLOSED (LOW LEVEL) OPERATION

The control switch closes (turns on) when the float drops **below** horizontal signaling a low level, and opens (turns off) when the float tips **above** horizontal.



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SENSOR FLOAT® Control Switch

Mercury-activated, narrow-angle float switch designed to activate pump control panels and alarms.

This narrow-angle sensing device is used to accurately monitor liquid levels in sewage and non-potable water applications. The Sensor Float® control switch is not sensitive to rotation and is suitable for use with intrinsically safe circuits. Contact SJE-Rhombus regarding specific intrinsically safe applications.

Normally Open Model (high level)

The control switch turns on (closes) when the switch tips slightly **above** horizontal signaling a high level, and turns off (opens) when the switch drops slightly below horizontal.

Normally Closed Model (low level)

The control switch turns on (closes) when the switch drops slightly **below** horizontal signaling a low level, and turns off (opens) when the switch tips slightly above horizontal.



FEATURES

- Suitable for use with intrinsically safe circuits.
- Not sensitive to rotation.
- Control differential of .5 inches (1 cm) above or below horizontal.
- UL Listed for use in non-potable water and sewage.
- CSA Certified.
- Three-year limited warranty.



SPECIFICATIONS

CABLE: flexible 18 gauge, 2 conductor (UL,CSA) SJOW, water-resistant (CPE)

FLOAT: 3.38 inch diameter x 4.55 inch long (8.58 cm x 11.56 cm), high-impact, corrosion resistant, PVC housing for use in sewage and non-potable water up to 140°F (60°C)

MAXIMUM WATER DEPTH: 30 feet (9 meters), 13 PSI (90 kPa)

MERCURY TILT SWITCH: single pole, single throw, mercury-to-mercury contacts, hermetically sealed in a steel capsule and epoxy sealed in the float housing

ELECTRICAL: 5 amp, 120/230 VAC, 50/60 Hz

OPTIONS

This switch is available:

- for normally open (high level) applications or normally closed (low level) applications.
- in standard cable lengths of 10, 15, 20, or 30 feet and 3, 5, 6, or 10 meters (longer lengths available).
- with three mounting options that allow for flexibility in installation:
 - Mounting Clamp:** for applications where the switch can be attached to a discharge pipe or similar mounting device.
 - Internally Weighted:** for applications where the switch can be suspended from above.
 - Externally Weighted:** for applications where the switch can be suspended from above.



PO Box 1708, Detroit Lakes, MN 56502
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www.sjerhombus.com

SEE BACKSIDE FOR ORDERING INFORMATION.

SENSOR FLOAT® Control Switch

Mercury-activated, narrow-angle float switch designed to activate pump control panels and alarms.

ORDERING INFORMATION

Normally Open		Normally Closed		List Price	Shipping Weight
Part #	Description	Part #	Description		
1002108	10PCNO	1002111	10PCNC	\$39.90	1.29 lbs.
1002072	10SWINO	1002075	10SWINC	\$43.07	1.85 lbs.
1002143	10SWENO	1002146	10SWENC	\$47.84	3.26 lbs.
1002117	15PCNO	1002120	15PCNC	\$43.20	1.64 lbs.
1002080	15SWINO	1002083	15SWINC	\$46.39	2.22 lbs.
1002152	15SWENO	1002155	15SWENC	\$51.17	3.50 lbs.
1002125	20PCNO	1002128	20PCNC	\$46.53	1.99 lbs.
1002089	20SWINO	1002092	20SWINC	\$49.75	2.59 lbs.
1002161	20SWENO	1002164	20SWENC	\$54.51	3.87 lbs.
1002134	30PCNO	1002137	30PCNC	\$53.80	2.13 lbs.
1002098	30SWINO	1002101	30SWINC	\$56.97	3.28 lbs.
1002170	30SWENO	1002173	30SWENC	\$61.74	4.48 lbs.

PC = Pipe Clamp WI = Weighted Internally WE = Weighted Externally

NO = Normally Open NC = Normally Closed

NOTE: Descriptions are grouped by cable length measured in feet (10, 15, 20, 30).

OPTIONS

PACKAGING

Bagged - Standard
Boxed - Specify and add \$1.80 to list price.
Bulk - Specify and deduct 20¢ from list price.

No Mounting - Specify and deduct 60¢ from mounting clamp list price.

ADDITIONAL CABLE

Additional cable length over 30 feet is available at 80¢ per foot (list price).

UL Listed for
Water & Sewage



SPECIFICATIONS

CABLE: flexible 18 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE) jacket

FLOAT: 3.38 inch diameter x 4.55 inch long (8.58 cm x 11.56 cm), high impact, corrosion resistant, PVC housing for use in sewage and non-potable water up to 140°F (60°C)

MAXIMUM WATER DEPTH: 30 feet (9 meters), 13 psi

MERCURY SWITCH: single pole, single throw, mercury-to-mercury contacts, hermetically sealed in a steel capsule and epoxy sealed in the float housing

ELECTRICAL: 5 amp 120-/230 VAC, 50/60 Hz

NOTE: Suitable for use with intrinsically safe circuits

Contact SJE-Rhombus regarding specific intrinsically safe applications.

OTHER INFORMATION

NORMALLY OPEN (HIGH LEVEL) OPERATION

The control switch closes (turns on) when the float tips slightly **above** horizontal signaling a high level, and opens (turns off) when the float drops slightly **below** normal.

NORMALLY CLOSED (LOW LEVEL) OPERATION

The control switch closes (turns on) when the float drops slightly **below** horizontal signaling a low level, and opens (turns off) when the float tips slightly **above** horizontal.

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SENSOR FLOAT® MINI Control Switch

Mercury activated, narrow-angle float switch designed to activate pump control panels and alarms.

This narrow-angle sensing device is used to accurately monitor liquid levels in confined sewage and non-potable water applications. The **Sensor Float® Mini** control switch is not sensitive to rotation.

Normally Open Model (high level)

The control switch turns on (closes) when the switch tips slightly **above** horizontal signaling a high level, and turns off (opens) when the switch drops slightly below horizontal.

Normally Closed Model (low level)

The control switch turns on (closes) when the switch drops slightly **below** horizontal signaling a low level, and turns off (opens) when the switch tips slightly above horizontal.

Contact SJE-Rhombus regarding intrinsically safe applications.



FEATURES

- Designed for use in confined spaces.
- Not sensitive to rotation.
- Control differential of .5 inches (1 cm) above or below horizontal.
- UL Listed for use in non-potable water and sewage.
- CSA Certified.
- Three-year limited warranty.



OPTIONS

This switch is available:

- for normally open (high level) applications or normally closed (low level) applications.
- in standard cable lengths of 10, 15, 20, or 30 feet and 3, 5, 6, or 10 meters (longer lengths available).
- with two mounting options that allow for flexibility in installation:

Mounting Clamp: for applications where the switch can be attached to a discharge pipe or similar mounting device.

Externally Weighted: for applications where the switch can be suspended from above.

SPECIFICATIONS

CABLE: flexible 18 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)

FLOAT: 2.81 inch diameter x 3.42 inch long (7.14 cm x 8.68 cm), high impact, corrosion resistant PVC housing for use in sewage and non-potable water up to 140°F (60°C)

MAXIMUM WATER DEPTH: 30 feet (9 meters), 13 PSI (90 kPa)

MERCURY TILT SWITCH: single pole, single throw, mercury-to-metal contacts, hermetically sealed in a steel capsule and epoxy sealed in the float housing

ELECTRICAL: 5 amp, 120/230 VAC, 50/60 Hz

This switch is not recommended for controlling:

- electric loads less than 30 milliamps, 12 VAC
- non-arcing electric loads (intrinsically safe applications)

CONTROL SWITCHES
(MERCURY)

**SJE
Rhombus®**

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1-218-847-4617 Fax

email: sje@sjerhombus.com

www.sjerhombus.com

SEE BACKSIDE FOR ORDERING INFORMATION.

SENSOR FLOAT® Mini Control Switch

Mercury activated, narrow-angle float switch designed to activate pump control panels and alarms.

ORDERING INFORMATION

Normally Open		Normally Closed		List Price	Shipping Weight
Part #	Description	Part #	Description		
1002181	10MPCNO	1002184	10MPCNC	\$36.40	1.20 lbs.
1002206	10MWENO	1002209	10MWENC	\$45.67	3.18 lbs.

1002187	15MPCNO	1002190	15MPCNC	\$39.90	1.57 lbs.
1002212	15MWENO	1002215	15MWENC	\$48.13	3.41 lbs.

1002193	20MPCNO	1002196	20MPCNC	\$43.34	1.90 lbs.
1002218	20MWENO	1002221	20MWENC	\$51.47	3.74 lbs.

1002199	30MPCNO	1002202	30MPCNC	\$50.73	2.68 lbs.
1002224	30MWENO	1002227	30MWENC	\$58.99	4.56 lbs.

PC = Pipe Clamp WE = Weighted Externally NO = Normally Open NC = Normally Closed

NOTE: Descriptions are grouped by cable length measured in feet (10, 15, 20, 30).

SPECIFICATIONS

CABLE: flexible 18 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE) jacket

FLOAT: 2.81 inch diameter x 3.42 inch long (7.14 cm x 8.68 cm), high impact, corrosion resistant PVC housing for use in sewage and non-potable water up to 140°F (60°C)

MAXIMUM WATER DEPTH: 30 feet (9 meters), 13 psi

MERCURY TILT SWITCH: single pole, single throw, mercury-to-metal contacts, hermetically sealed in a steel capsule and epoxy sealed in the float housing

ELECTRICAL: 5 amp 120/230 VAC, 50/60 Hz

This switch is not recommended for controlling:

- electric loads less than 30 milliamps, 12 VAC
- non-arcing electric loads

NOTE: Contact SJE-Rhombus regarding intrinsically safe applications.

OPTIONS

PACKAGING

Bagged - Standard
Boxed - Specify and add \$1.80 to list price.
Bulk - Specify and deduct 20¢ from list price.

No Mounting - Specify and deduct 60¢ from mounting clamp list price.

ADDITIONAL CABLE

Additional cable length over 30 feet is available at 80¢ per foot (list price).

UL Listed for
Water & Sewage



OTHER INFORMATION

NORMALLY OPEN (HIGH LEVEL) OPERATION

The control switch closes (turns on) when the float tips slightly **above** horizontal signaling a high level, and opens (turns off) when the float drops slightly **below** horizontal.

NORMALLY CLOSED (LOW LEVEL) OPERATION

The control switch closes (turns on) when the float drops slightly **below** horizontal signaling a low level, and opens (turns off) when the float tips slightly **above** horizontal.

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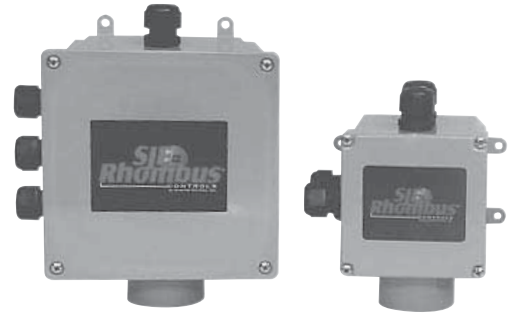
Call or fax your order!

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JUNCTION BOXES

Seals electrical connections from moisture and other elements.

These junction boxes provide a convenient location to connect all wiring required for a typical pumping station, on-site system or other electrical installation.



FEATURES

- NEMA 4X enclosure rated for outdoor use.
- External mounting feet included.
- Three-year limited warranty.

OPTIONS

Junction Boxes are available with:

- 1/2" (1.27 cm), 3/4" (1.90 cm) or 1" (2.54 cm) UL Listed, CSA Certified round cable liquid-tight strain relief connectors (installed).
- 1/2" (1.27 cm) or 3/4" (1.90 cm) UL Listed, CSA Certified flat UF cable liquid-tight strain relief connectors (installed).
- 1" (2.54 cm), 1 1/2" (3.81 cm), or 2" (5.08 cm) terminal adapter hub (installed).
- Custom connector configurations available.

SPECIFICATIONS

LID AND BOX: UL Listed and CSA
Certified made from high impact,
corrosion resistant, weatherproof
thermoplastic

GASKET: flexible PVC or neoprene

SCREWS: brass or stainless steel

INTERNAL VOLUME:

- 4" x 4" x 4" is 50.65 cubic inches
(830 cubic cm)
- 6" x 6" x 4" is 125 cubic inches
(2048 cubic cm)
- 8" x 8" x 4" is 261.14 cubic inches
(4280 cubic cm)

EXTERNAL ENCLOSURE SIZE:

- 4 x 4 x 4 inches
(10.16 x 10.16 x 10.16 cm)
- 6 x 6 x 4 inches
(15.24 x 15.24 x 10.16 cm)
- 8 x 8 x 4 inches
(20.32 x 20.32 x 10.16 cm)

SEE BACKSIDE FOR ORDERING INFORMATION.

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117

JUNCTION BOXES

Seals electrical connections from moisture and other elements.

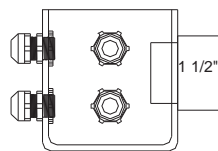
Part #	Description	List Price	Ship Weight
1008546	JB444 (no connectors or hub installed)	\$47.94	2 lbs.
1008872	JB444-1.5H-3R8 Simplex	\$84.68	3 lbs.
1008547	JB444-1.5H-4R8 Simplex	\$91.79	3 lbs.
1008548	JB664 (no connectors or hub installed)	\$56.53	3 lbs.
1008549	JB664-1.5H-4R8 Simplex (small HP pump)	\$100.38	4 lbs.
1008550	JB664-2H-5R8 Duplex (small HP pump)	\$109.36	4 lbs.
1008551	JB664-1.5H-3R8-1R12 Simplex (large HP pump)	\$104.94	4 lbs.
1008552	JB664-2H-3R8-2R12 Duplex (large HP pump)	\$118.46	5 lbs.
1008553	JB884 (no connectors or hub installed)	\$100.75	5 lbs.

NOTE: Descriptions grouped by enclosure size. All enclosure dimensions are in inches. Number before R8 or R12 equals the number of connectors of that size installed. 444 = 4 x 4 x 4, 664 = 6 x 6 x 4, 884 = 8 x 8 x 4.
 1.5H = 1 1/2" HUB, 2H = 2" HUB. R8 = RCC8, R12 = RCC12.
 Small HP pump = Pump cable 18/2 to 14/3 gauge.
 Large HP pump = Pump cable 14/4 to 10/3 gauge.

FEATURES

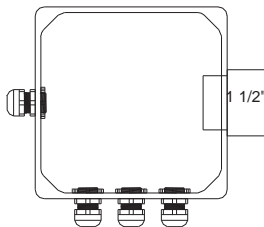
- External mounting feet included
- NEMA 4X, UL Listed, CSA Certified enclosure
- Flexible PVC or neoprene Gasket
- UL Listed and CSA Certified Hub for incoming power/control wires through conduit
 1" hub available
 1.5" standard with simplex version
 2" standard with duplex version
- UL Listed, CSA Certified cable connectors provide strain relief and a liquid tight seal (RCC8, RCC12, RCC16, UFCC8, UFCC12)

SIDE
VIEW



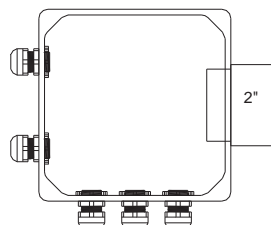
4 X 4 X 4 SIMPLEX
 P/N 1008547
 MODEL:
 JB444-1.5H-4R8

TOP
VIEW



6 X 6 X 4 SIMPLEX
 P/N 1008549
 MODEL:
 JB664-1.5H-4R8

TOP
VIEW



6 X 6 X 4 DUPLEX
 P/N 1008550
 MODEL:
 JB664-2H-5R8

SPECIFICATIONS

LID AND BOX: UL Listed and CSA
 Certified high impact, corrosion
 resistant, weatherproof
 thermoplastic

GASKET: flexible PVC or neoprene

SCREWS: brass or stainless steel

VOLUME: 4" x 4" x 4" is 50.65 cubic
 inches (830 cubic cm), 6" x 6" x
 4" is 125 cubic inches (2048 cubic
 cm),
 8" x 8" x 4" is 261.14 cubic inches
 (4280 cubic cm)

ENCLOSURE: 4" x 4" x 4" (10.16 x 10.16
 x 10.16 cm), 6" x 6" x 4" (15.24
 x 5.24 x 10.16 cm), 8" x 8" x 4"
 (20.32 x 20.32 x 10.16 cm)

OTHER INFORMATION

CUSTOM CONNECTOR PLACEMENT

Contact your customer service
 representative for custom connector
 placement and pricing.

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JUNCTION BOX CONNECTOR FORM

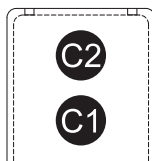
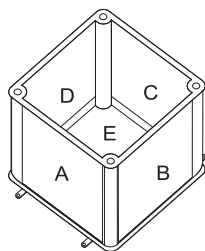
Please use this form when ordering junction boxes with special connector placements. This is a special order made specifically for SJE-Rhombus® customers. Special order products cannot be returned.

COMPANY NAME: _____ CONTACT: _____ PO #: _____

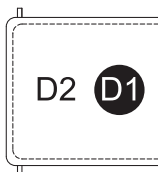
PHONE: _____ FAX: _____ EMAIL: _____ DATE: _____

JUNCTION BOX INFORMATION - PLEASE CHECK BOX SIZE

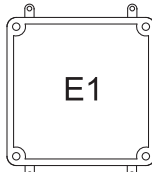
☐ 4" X 4" X 4"



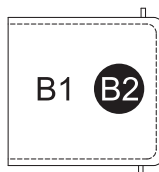
(C) Back



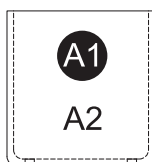
(D) Left



(E) Bottom



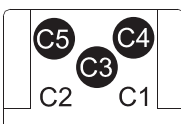
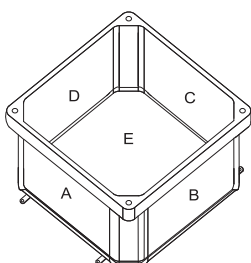
(B) Right



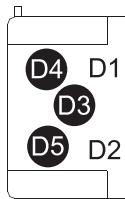
(A) Front

NOTE: Available with a 1" or 1.5" hub.
Hub is always placed in the center of selected side. No other connectors can be installed on the same side as the hub.

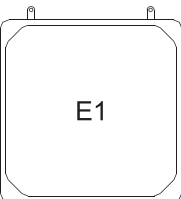
☐ 6" X 6" X 4"



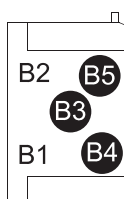
(C) Back



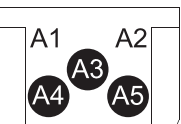
(D) Left



(E) Bottom



(B) Right



(A) Front

NOTE: Available with a 1", 1.5", or 2" hub. Hub is always placed in the center of selected side. No other connectors can be installed on the same side as the hub.

CONNECTORS AVAILABLE

- **RCC - 8** (1/2")
- **RCC - 12** (3/4")
- **RCC - 16** (1") authorized placements only shown by ●

- **UFCC - 8** (1/2")
- **UFCC - 12** (3/4")

- **1" HUB**
- **1.5" HUB**
- **2" HUB**

NOTE: For 6" x 6" x 4" junction box, connectors at locations C4, C5, A4 and A5 may make mounting feet difficult to access.

	LOCATION	CONNECTOR	HUB
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

SEE BACKSIDE FOR 8" X 8" X 4".

FOR SJE-RHOMBUS INTERNAL USE ONLY

ORDER# _____

CONFIGURATION#: _____

NOTE: If you need assistance in completing this form, please call SJE-Rhombus Customer Service.

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SJE Rhombus

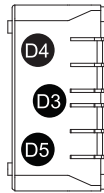
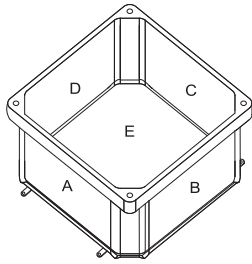
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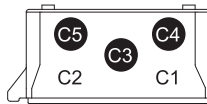
email: sje@sjerhombus.com

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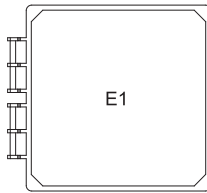
8" X 8" X 4"



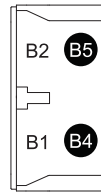
(D) Left



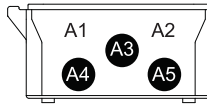
(C) Back



(E) Bottom



(B) Right



(A) Front

NOTE: Available with a 1", 1.5", or 2" hub. Hub is always placed in the center of selected side. No other connectors can be installed on the same side as the hub. A 2" hub can't be mounted on the D side (hinge side) of the 8" x 8" x 4" junction box.

NOTES:

CONNECTORS AVAILABLE

- **RCC - 8** (1/2")
- **RCC - 12** (3/4")
- **RCC - 16** (1") authorized placements only shown by ●
- **UFCC - 8** (1/2")
- **UFCC - 12** (3/4")
- **1" HUB**
- **1.5" HUB**
- **2" HUB**

LOCATION	CONNECTOR	HUB
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

FLOAT ACCESSORIES

Cable Clamp Assembly, Float Brackets, Pipe Mounting Bracket,
Cable Weights, ETM w/ Piggy-Back Plug, Vertical Reed Switch, Anchor and Chain

CABLE WEIGHT

Provides an accurate pivot point for suspended float switches.

- Gripper teeth on clip and weight channel securely lock float cable into place
- Cable Weight can be adjusted without the use of tools



U.S. Patent 5,306,885

HOUSING: 1 pound, 12 ounce (0.8 kgs.), 2.8 inch diameter x 3.3 inch long (7.1 cm diameter x 8.4 cm), impact resistant, non-corrosive, PVC housing for use in liquids up to 140°F (60°C).

CLIP: injection molded acetal plastic

WIRE/CABLE ACCOMMODATED: SJOW, SJTW, 18/2, 18/3, 16/2, 16/3, 14/2 and 14/3

SHIP WEIGHT: 2 lbs. (.907 kgs)

Part Number	Description	List Price
1002230	Cable Weight	\$9.59

CABLE WEIGHT MINI

Provides an accurate pivot point for suspended float switches.

- One piece cable weight
- Turn and Lock for easy installation.



HOUSING: 9.6 ounces (0.27 kgs.), 2.5 inch diameter x 2.5 inch long (6.35 cm diameter x 6.35 cm), impact resistant, non-corrosive, PVC housing for use in liquids up to 140°F (60°C)

WIRE/CABLE ACCOMMODATED:
SJOW, SJTW, 18/2, 18/3

Part Number	Description	List Price
1030356	Cable Weight	\$7.43

ELAPSED TIME METER WITH PIGGY-BACK PLUG

Plugs into switched outlet or piggy-back switch of plugger control panel. Unit must be placed inside an enclosure.

- Screws and mounting adhesive included.



Part Number	Description	List Price
1022846	ETM w/120V piggy-back plug	\$90.18
1032834	ETM w/230V piggy-back plug	\$193.64

VERTICAL REED SWITCH

- Control differential: .375 inch (1 cm)
- Maximum angle from vertical: 5°
- Electrical: 250 mAmps, 12-125 VAC, 50/60 Hz
500 mAmps, 6-12 VDC, 50/60 Hz
- Housing and Float: 1.60 inch diameter x 6.7 inch long (4.06 cm X 17.01 cm), high impact, corrosion resistant PVC for use in sewage and non-potable water up to 120°F (50°C)



Part Number	Description	List Price
1011027	10ft VRS 120V Bulk	\$76.38
1016561	15ft VRS 120V Bulk	\$81.69

ANCHOR

- 10 lb. weight
- Yellow, vinyl coated, mushroom style



Part Number	Description	List Price
1018687	10 lb. Mushroom Anchor	\$45.45

CHAIN

- 1/8" thickness
- 316 grade stainless steel
- Available in one foot increments



Part Number	Description	List Price
1018823	1/8 inch Chain	\$8.78 per ft.

PRODUCTS CONTINUED ON NEXT PAGE.

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FLOAT ACCESSORIES

Cable Clamp Assembly, Float Brackets, Pipe Mounting Bracket,
Cable Weights, ETM w/ Piggy-Back Plug, Vertical Reed Switch, Anchor and Chain

CABLE CLAMP ASSEMBLY

Provides cable anchor point and strain relief. Secures cable in vertical direction.

- For use with 18/16 gauge, 14 gauge, & 12 gauge cable
- Mounting clamp: ABS Nylon blend
- Hose clamp: highly corrosion resistant stainless steel



Part Number	Description	List Price
1008569	18 & 16 Gauge Cable Clamp Assembly	\$5.30
1008574	14 Gauge Cable Clamp Assembly	\$5.30
1008575	12 Gauge Cable Clamp Assembly	\$5.30

PIPE MOUNTING BRACKET

- Secures discharge pipe to basin wall.
- Clamps directly to 2" PVC discharge pipe.



Part Number	Description	List Price
1030359	Pipe Mounting Bracket	\$47.74

FLOAT BRACKET

Provides convenient installation of float switches.

- Six Float Bracket supports 1-6 floats
- Four Float Bracket supports 1-4 floats
- Can be directly mounted to wall or used with wall mounting device
- Provides convenient location to stow excess float cord
- Supplied with UL Recognized cord strain relief connectors



METAL COMPONENTS: all metal components are made of 300 series stainless steel

STRAIN RELIEF CONNECTORS: which accommodate 18/2, 18/3, 16/2, 16/3 SJOW and SJTW cords

Part Number	Description	List Price
1009432	4 Float Bracket With Mounting Device	\$58.99
1009433	4 Float Bracket Without Mounting Device	\$51.60
1009434	6 Float Bracket With Mounting Device	\$79.57
1009435	6 Float Bracket Without Mounting Device	\$66.84
1009436	Float Bracket Mounting Device	\$14.75

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CONTROL PANEL ACCESSORIES

Cord Seals, Hub Assembly, Simplex Installation Kit, Duplex Installation Kit, Cable Connectors, Panel Mounting Post, and Riser Mounting Kit

CORD SEALS

Provides strain relief and a liquid-tight seal.

- Seals 1-4 cables in 2" terminal adapters
- Seals 1-6 cables in 2½" terminal adapters
- PVC plugs included (for unused cable positions)
- Ground wire

SEAL: neoprene

WASHERS: stainless steel

NUT AND BOLT: stainless steel

WIRE/CABLE ACCOMMODATED: SJOW, SJTW, 18/2, 18/3, 16/2, 16/3, 14/2 and 14/3



Part Number	Description	List Price
1008517	2 inch Cord Seal (1-4 Cables)	\$31.95
1037126	2.5 inch Cord Seal (1-6 Cables)	\$45.00

HUB ASSEMBLY

Provides liquid-tight conduit attachment location.

- Available in 3/4, 1, 1.5, 2 and 2.5 inch sizes.
- UL Listed and CSA Certified terminal adapter



TERMINAL ADAPTER (HUB): PVC

GASKET: neoprene

LOCK NUT: metal

Part Number	Description	List Price
1030564	3/4 inch Hub Assembly	\$5.25
1009305	1 inch Hub Assembly	\$10.88
1008848	1.5 inch Hub Assembly	\$15.39
1008849	2 inch Hub Assembly	\$17.24
1037128	2.5 inch Hub Assembly	\$20.00

SIMPLEX INSTALLATION KIT

Provides easy weather-proof wire installation for simplex control panels.

Includes:

- 2" hub assembly
- 2" cord seal (seals 1-4 cables)
- 3/4" hub assembly



Part Number	Description	List Price
1038029	Installation Kit, Simplex	\$50.00

DUPLEX INSTALLATION KIT

Provides easy weather-proof wire installation for duplex control panels.

Includes:

- 2.5" hub assembly
- 2.5" cord seal (seals 1-6 cables)
- 3/4" hub assembly



Part Number	Description	List Price
1038030	Installation Kit, Duplex	\$70.00

PRODUCTS CONTINUED ON NEXT PAGE.

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CONTROL PANEL ACCESSORIES

Cord Seals, Hub Assembly, Simplex Installation Kit, Duplex Installation Kit, Cable Connectors, Panel Mounting Post, and Riser Mounting Kit

CABLE CONNECTORS

Provides strain relief and liquid-tight seal.

UL Listed and CSA Certified



VDE Approved

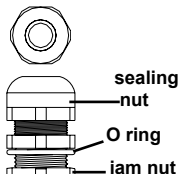


ROUND CABLE SPECIFICATIONS

MATERIAL: polymid flame-resisting, self-extinguishing plastic

O RING: neoprene plastic

HOLE REQUIREMENT: NPT threaded OR clearance holes (jam nut included)



RCC-8

NPT Hub: .5 inch (1.27cm)

Maximum Diameter: .480 inch (1.22 cm)

Minimum Diameter: .270 inch (.68 cm)

Wire/Cable (AWG) Accommodated: 18/2, 18/3, 18/4, 16/2, 16/3, 16/4, 14/2, and 14/3

RCC-12

NPT Hub: .75 inch (1.90 cm)

Maximum Diameter: .709 inch (1.80 cm)

Minimum Diameter: .545 inch (1.38 cm)

Wire/Cable (AWG) Accommodated: 14/2, 14/3, 14/4, 12/2, 12/3, 12/4, 10/2, and 10/3

RCC-16

NPT Hub: 1.0 inch (2.54 cm)

Maximum Diameter: .98 inch (2.49 cm)

Minimum Diameter: .71 inch (1.80 cm)

Wire/Cable (AWG) Accommodated: Round cable with outside diameter within range identified above.

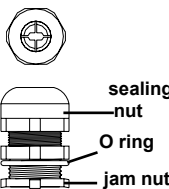
Part Number	Description	List Price
1002574	1/2 inch Round Cable Connector (RCC-8)	\$7.12
1002575	3/4 inch Round Cable Connector (RCC-12)	\$11.67
1009868	1 inch Round Cable Connector (RCC-16)	\$14.75

FLAT UF CABLE SPECIFICATIONS

MATERIAL: weather-stabilized thermo plastic

O RING: neoprene plastic

HOLE REQUIREMENT: NPT threaded OR clearance holes (jam nut included)



UFCC-8

NPT Hub: .50 inch (1.27 cm)

Maximum: .26 x .56 inch (.66 - 1.42 cm) slot

Wire/Cable (AWG) Accommodated: 14/2, 12/2, 10/2

UFCC-12

NPT Hub: .75 inch (1.90 cm)

Maximum: .26 x .60 inch (.66 - 1.52 cm) slot

Wire/Cable (AWG) Accommodated: 14/3, 12/3

Part Number	Description	List Price
1002576	1/2 inch Flat UF Cable Connector (UFCC-8)	\$17.21
1002577	3/4 inch Flat UF Cable Connector (UFCC-12)	\$19.66

PANEL MOUNTING POST

Provides easy installation of control panels.

- Removable front access door for easy wiring
- Can be mounted directly into ground, over a 4x4 post, or conduit for a quick, clean, easy installation
- Includes 4 stainless steel mounting bolts
- Includes drilling template
- Accommodates enclosures up to 14 x 12 x 6 inches (35.6 x 30.5 x 15.2 cm)



POST: Polyethylene

BOLTS: 4X rated stainless steel with gaskets

Part Number	Description	List Price
1038027	Panel Post Assembly	\$115.00

RISER MOUNTING KIT

Secures panel mounting post to tank riser.

Includes:

- 2" hub assemblies (2)
- 2" x 6" PVC pipe and connecting hardware
- Conduit for routing pump and float from tank riser to post



unassembled



assembled

Part Number	Description	List Price
1038262	Riser Mounting Kit	\$47.20

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HOME PROTECTION PRODUCTS

Easy-to-install home monitoring products that provide notification of conditions such as threatening liquid level and low temperature.

The Auto Dialer is a single channel voice dialer that can be used with any device that can provide a normally open or normally closed contact. The Auto Dialer can be programmed to store up to four numbers to dial, including standard (voice) telephones, most cellular telephones, and pagers. The Auto Dialer will deliver a recorded message for up to 16 seconds.

Note: The Auto Dialer AVD-45b will attempt to deliver the outgoing message twice with a maximum of 10 attempts for each telephone number.

The Home Temperature Monitor switch provides a means to monitor environmental temperature. When used with the Auto Dialer, the system will notify of potentially threatening freezing conditions. This can be used to help eliminate costly damage of freezing water pipes.



Auto Dialer



Home Temperature Monitor

AUTO DIALER FEATURES

- Non volatile (EEPROM) memory for voice message and telephone numbers.
- Calls up to four telephone numbers, any combination of telephone or pagers.
- Sends up to 16 second voice message to telephones or numeric code to pagers.
- Record your own message in any language.
- Easily change message and telephone numbers without a programmer.
- Voice chip technology (no tape required).
- Ability to program up to 10 (2-second) pauses and pound (#) for pager dialing.
- Dials each outgoing telephone number a maximum of 10 times.
- 2x16 character LCD window.
- Internal playback speaker for voice message.
- Programmable Exit and Entry delay.
- Internal 9V battery backup.
- Works with PBX or regular telephone system.
- Tone or Pulse dialing (not intended for digital telephone lines).
- NC, NO, momentary, continuous or voltage activation.
- Internal protection against transient overload conditions.
- Three-year limited warranty.

OPTIONS

Auto Dialer is available with:

- Home Temperature Monitor switch.

HOME TEMPERATURE MONITOR FEATURES

- Provides an enclosed preset thermal switch and screw terminals for easy connection.
- The switch is normally closed when the temperature is above 40°F (4.44°C).
- When the temperature drops below 40°F (4.44°C) the switch opens.
- The switch remains open until the temperature rises above 55°F (12.78°C) at which point the switch closes again.
- One-year limited warranty.

AUTO DIALER SPECIFICATIONS

ENCLOSURE: 6.0 x 4.0 x 1.5 inch
(15.24 x 10.16 x 3.81 cm), indoor

VOLTAGE: 9-18 VDC (12 VDC plug in
power supply included)

BATTERY BACKUP POWER: 9 VDC

ACTIVATION:

NO or NC, momentary or continuous
dry contact activation

Voltage activation: 0 to +V (NC
operation) or +V to 0 (NO operation)

Note: +V limited from 5-28 VDC

PHONE NUMBERS STORED: Up to 4

MAXIMUM DIGITS/PHONE NUMBER:
28 (including pauses)

PROGRAMMABLE PAUSES: 10 max.

HOME TEMPERATURE MONITOR SPECIFICATIONS

ENCLOSURE: 2.25 x 2.5 x 1.0 inch
(5.72 x 6.35 x 2.54 cm), indoor

VOLTAGE:

Contacts: 24 VDC, 120 mA maximum
Switch opens at 40°F (4.44°C)
± 5°F (-15°C)
Switch closes at 55°F (12.78°C)
± 5°F (-15°C)

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SEE BACKSIDE FOR ORDERING INFORMATION.

HOME PROTECTION PRODUCTS

Easy-to-install home monitoring products that provide notification of conditions such as threatening liquid level and low temperature.

ORDERING INFORMATION

Part #	Description	List Price	Ship Weight
1012019	Auto Dialer	\$457.00	1.25 lbs.
1012052	Home Temperature Monitor	\$45.00	.01 lbs.
1012103	Auto Dialer w/Home Temperature Monitor	\$502.00	1.26 lbs.

AUTO DIALER SPECIFICATIONS

ENCLOSURE: 6.0 x 4.0 x 1.5 inch, indoor

VOLTAGE: 9-18 VDC (12 VDC plug in power supply included)

BATTERY BACKUP POWER: 9 VDC

ACTIVATION:

NO or NC, momentary or continuous dry contact activation

Voltage activation: 0 to +V (NC operation) or +V to 0 (NO operation) **Note:** +V limited from 5-28 VDC

PHONE NUMBERS STORED: Up to 4

MAXIMUM DIGITS/PHONE NUMBER: 28 (including pauses)

PROGRAMMABLE PAUSES: 10 max.

HOME TEMPERATURE MONITOR SPECIFICATIONS

ENCLOSURE: 2.25 x 2.5 x 1.0 inch
(5.72 x 6.35 x 2.54 cm), indoor

VOLTAGE:

Contacts: 24 VDC, 120 mA maximum
Switch opens at 40°F (4.44°C)
± 5°F(-15°C)
Switch closes at 55°F(12.78°C)
± 5°F(-15°C)

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