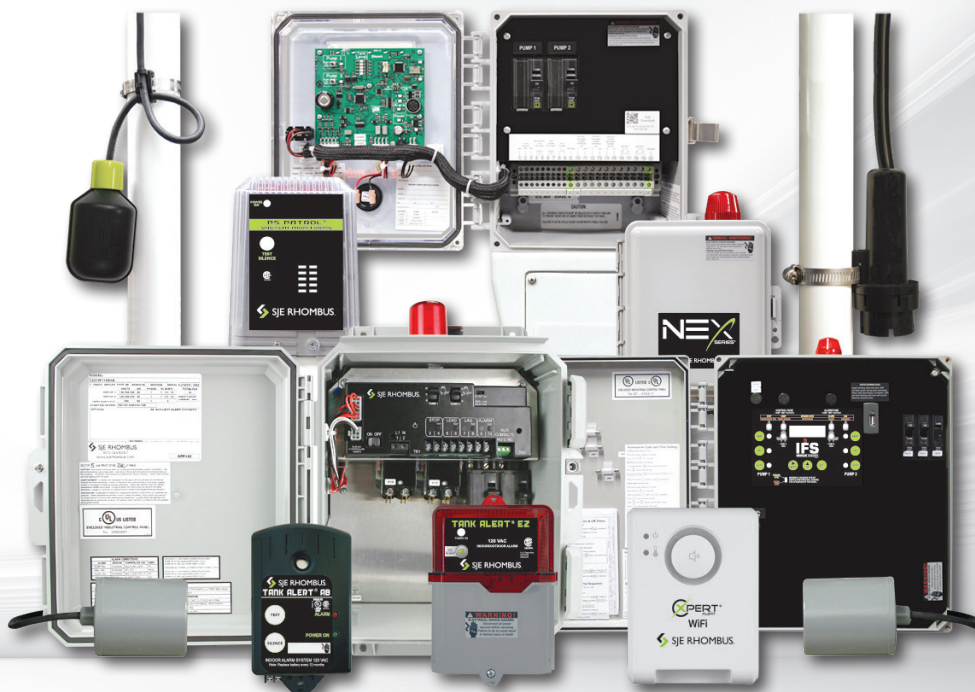# PRODUCT BROCHURE

## Sump, Effluent and Sewage Controls

*Control Panels, Alarms and Float Switches*
*From the Controls Leader You Trust*



## SJE RHOMBUS®

# EZ SERIES®

## EZ Series®

This line of innovative, affordable control panels is designed to make on-site installations easier. **EZ Series®** control panels combine **circuit board technology and easy operation** for on-site applications. UL/cUL Listed.

An **optional mounting post** featuring a **removable access door** for easy wiring is available. The post can be mounted directly into the ground, over a 4x4 post or conduit for a **quick, clean, easy installation.**

**Get In-Site to On-Site™**
EZ Series® In-Site® CL control panels now feature a Bluetooth® smart module to enable wireless connection to Android or iOS devices!

✓ Eliminates need for PC
✓ Eliminates opening the panel for configuration, viewing status or data download
✓ Enables safe and secure access to the panel in all weather conditions.

### C-LEVEL™ FLOATLESS TECHNOLOGY!

The EZ Series® In-Site® CL Bluetooth® panels utilize the C-Level™ floatless sensor:

✓ Uses pressure to detect liquid level in tank and sends signal to the panel
✓ Compact design; low voltage
✓ Easy to adjust set points
✓ One sensor replaces up to 4 floats
✓ CL 40 (range up to 40 inches) or CL 100 (range up to 100 inches) models available

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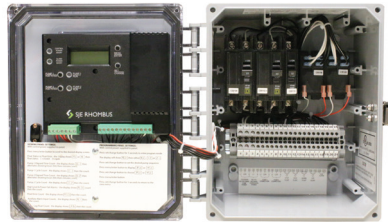
**Duplex Demand/TD**

- Designed to control one or two single phase 120/208/240V pump(s)
- **Panel Features:** NEMA 4X enclosure, locking latch, red LED alarm beacon on cover, external indicators for control power, alarm power and pump run, external test/silence switch, digital display, pump run button, menu buttons, large terminal block, circuit breakers, and pump run relay
- **Digital Display Features:** float status, elapsed time pump run, cycle counter, alarm counts, float error count, auxiliary alarm counter, timer override count (TD only), on time (TD only), off time (TD only)
- UL/cUL Listed

### EZ Series® Plugger
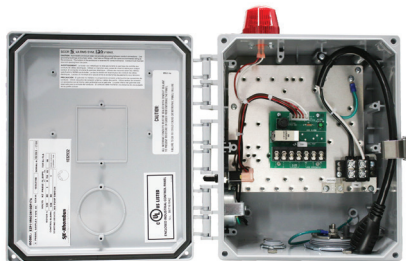
- Built-in high water alarm and receptacle to accept a 120V or 230V pump and a piggy-back pump switch
- **Panel Features:** NEMA 4X enclosure, locking latch, red LED alarm beacon, audible alarm, alarm fuse, external test/normal/silence switch
- UL/cUL Listed

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### EZ Series® In-Site® CL with Bluetooth® Single Phase Simplex or Duplex Demand/Timed Dose
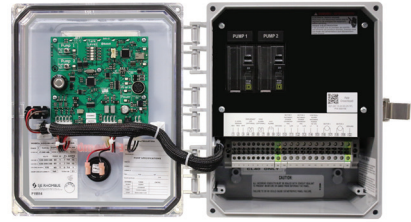
**Duplex Demand/TD**

Data logging panel features wireless Bluetooth® connection for your smartphone or tablet. No need to open the panel for configuration, viewing status or downloading data using the new EZ Connect™ Mobile app.

- Designed to control one (simplex) or two (duplex) single phase 120/208/240V pump(s)
- Panel configuration can be easily converted in the field to either demand dose or timed dose using a tablet or smartphone
- System data including pump run times, pump cycles, alarm conditions, power outages, and more can be downloaded to the same mobile device using the exclusive EZ Connect Mobile App.
- UL/cUL Listed
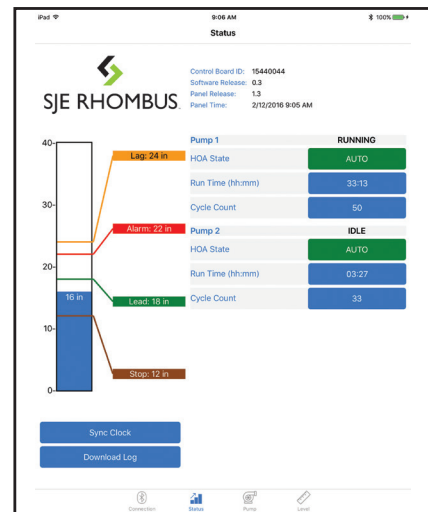
**EZ Connect™ Mobile App**

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# INSTALLER FRIENDLY SERIES®

## IFS Single Phase or Three Phase Simplex or Duplex Demand/Timed Dose



- Designed to control one or two 120/208/240V (single phase) or 208/240/480V (three phase) pumps in water and sewage installations
- Digital display is standard feature
- Panel configuration can be easily converted in the field to either demand dose or timed dose
- UL/cUL Listed

## IFS Single Phase Simplex or Duplex Capacitor Start/Run



- Designed to control one (simplex) or two (duplex) 120/208/240V single phase pump(s) in water and sewage installations
- IEC motor contactor controls pump by switching electrical lines
- Capacitor start module - must be ordered separately or supplied
- UL/cUL Listed

## Installer Friendly Series® Single Phase Simplex Drip



- Designed to control one 120/230V single phase pump. Features a touch pad for programming rest for standard time, rest for peak enable time, spin filter flush time, dose time, field flush time, and field drain time
- NEMA 4X enclosure
- UL/cUL Listed

## IFS In-Site® Single Phase Simplex or Duplex Demand/Timed Dose



**Get In-Site to On-Site Systems™**  Data logging control panel features a USB port on the inner door. Plug in the flash drive (included with pre-loaded software) to download up to 20,000 system events, including pump run times, pump cycles, alarm events, power outages, and service calls.  Quick and easy-to-read reports make identifying system conditions easy.

- Designed to control one (simplex) or two (duplex) single phase 120/208/240V pump(s)
- Panel configuration can be easily converted in the field to either demand dose or timed dose
- UL/cUL Listed





**Event Log Screen displays a complete list of all system events**

## Installer Friendly Series®

The Installer Friendly Series' control panels utilize embedded circuit board technology to provide greater control of septic systems via a **simple-to-use touch pad** on the inner door for programming and monitoring pump and float operation for on-site applications. UL/cUL Listed.
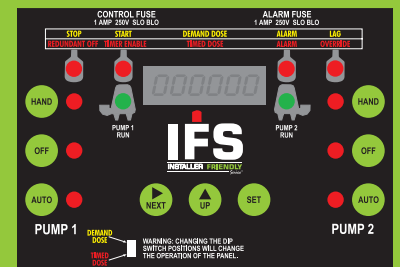


### Touch Pad Display Features:

- ✓ Easy programming for pump control
- ✓ Pump run indicator(s)
- ✓ Float status indicators, including float out-of-sequence alarm
- ✓ HOA pump control switch(es)
- ✓ Hand mode safety feature
- ✓ 6 digit LED display includes:
  - Elapsed time meter(s)
  - Cycle counter(s)
  - Alarm counter
  - Lead/lag selector toggles pump operation in duplex models
  - Float error counter
  - Override counter in timed dose models

# BUILD-A-PANEL™



## Build-A-Panel™

SJE Rhombus Build-A-Panel™ control panels offer **pump control and alarm notification** in one convenient package for a variety of on-site applications, including pump chambers, sump pump basins, irrigation systems, lift stations and more.

**Build-A-Panel™ Control Panel Models:**
- ✓ NEX Series® Simplex & Duplex
- ✓ Single Phase Simplex (111, 115, 112)
- ✓ Single Phase Duplex (122)
- ✓ Three Phase Simplex (312)
- ✓ Three Phase Duplex (322)
- ✓ Capacitor Start/Run (113, 123)
- ✓ Intrinsically Safe (114, 124, 314, 324)
- ✓ Time Dosing (TD, PS11/PS12)
- ✓ Plugger Products (JBP, PS Patrol®, Quick Post Plus™ Outdoor System, Quick Post Plus™ System with Indoor Alarm, UltraNator™, SJE Oil Spotter™, SJE Oil Spotter™ Auto)
- ✓ Water Well (126)
- ✓ Select Start™ Starter Boxes

Build-A-Panel™ control panels are the right option for your installation. Ordering by options provides you with **greater flexibility**, allowing you customize "standard" control panels to suit your specific needs, whether adding an elapsed time meter, cycle counter or changing float switches. Your Build-A-Panel™ control panels will be **delivered quickly**, at an **affordable price**. UL/cUL Listed.



Each Build-A-Panel™ control panel comes complete with float switches, electrical schematics, float terminal blocks, step-by-step installation instructions and are backed by a five-year limited warranty.

**Need your panel in a hurry? Don't worry!** SJE Rhombus offers the Panel Express Program to expedite your panels as fast as the next day! Learn more at www.sjerhombus.com.

### NEX Series® Single Phase Simplex
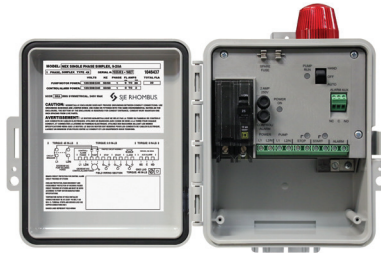


- Designed to control one single phase pump in water and wastewater applications
- Universal pump voltage and control/alarm power allows the panel to handle three voltages (120/208/240V)
- Compact NEMA 4X enclosure
- UL/cUL Listed

### NEX Series® Single Phase Duplex



- Designed to control two single phase pumps in water and wastewater applications
- Universal pump voltage and control/alarm power allows the panel to handle three voltages (120/208/240V)
- Compact NEMA 4X enclosure
- UL/cUL Listed

### Model 111 Single Phase Simplex
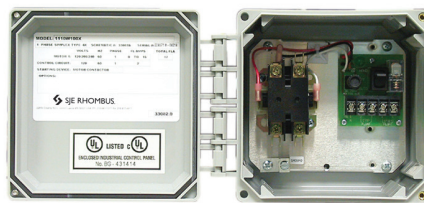


- Provides a reliable means of controlling one 120/208/240V single phase pump in water and wastewater applications
- NEMA 1 or NEMA 4X enclosure
- UL/cUL Listed

### Model 115 Single Phase Simplex



- Provides a reliable means of controlling one 120/208/240V single phase pump in water and wastewater applications
- NEMA 1 or NEMA 4X enclosure
- Pump switch turns pump on/off
- Alarm switch activates alarm
- UL/cUL Listed

### Model 112 Single Phase Simplex



- Provides a reliable means of controlling one 120/208/240V single phase pump in water and wastewater applications
- NEMA 4X enclosure
- UL/cUL Listed

### Model 122 Single Phase Duplex
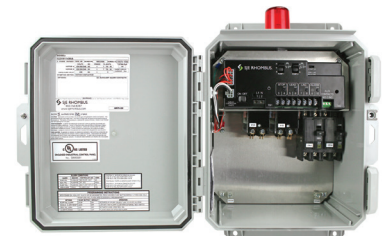


- Designed to alternately control two 120/208/240V single phase pumps in water and wastewater applications
- Innovative duplex controller for pump control, alternation, and alarm
- NEMA 1 or NEMA 4X enclosure
- New NEMA 4X enclosure designed for easy installation
- Alternating pump control with override equalizes pump wear
- UL/cUL Listed

### Model 312 Three Phase Simplex
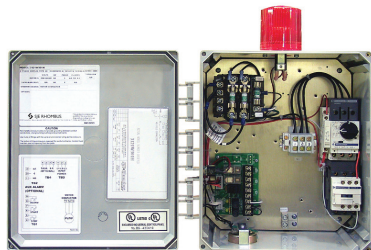


- Provides a reliable means of controlling one 208/240/480V three phase pump in commercial and industrial water and wastewater applications
- NEMA 4X enclosure
- IEC motor contactor control
- UL/cUL Listed

### Model 322 Three Phase Duplex
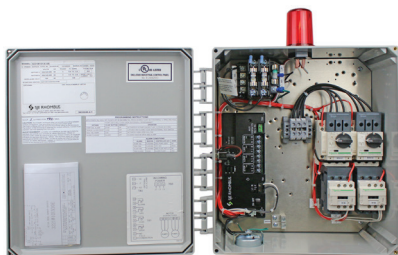


- Designed to alternately control two 208/240/480V three phase pumps in commercial and industrial water and wastewater applications
- Innovative duplex controller for pump control, alternation, and alarm
- NEMA 4X enclosure
- Alternating pump control with override equalizes pump wear
- UL/cUL Listed

### Model 32S Industrial Grade Three Phase Duplex



- Designed to alternately control two 208/240/480V three phase pumps in commercial and industrial water and wastewater applications
- Features DPC-4F controller
- NEMA 4X stainless steel or fiberglass enclosure
- Alternating pump control with override equalizes pump wear
- UL/cUL Listed

### Model 32XR Industrial Grade Three Phase Duplex
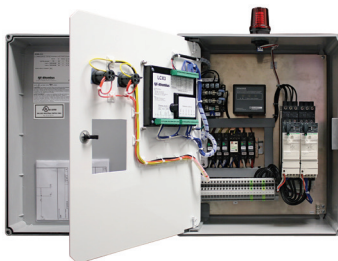


- Designed to alternately control two 208/230/460V three phase pumps in commercial and industrial water and wastewater applications
- TYPE 4X fiberglass enclosure
- TPC-X Controller sequences pump on and off in response to a change in level input provided by a 4-20 mA sensor
- UL/cUL Listed

### Model 114 I.S. Single Phase Simplex
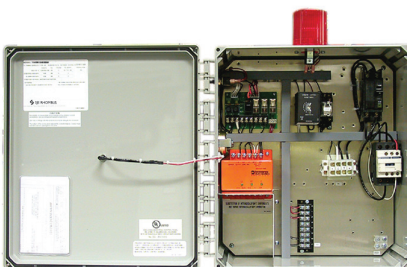


- Designed to control one 120/208/240V single phase pump in intrinsically safe applications
- NEMA 4X enclosure
- Two control switches activate an IEC magnetic motor contactor to turn the pump on and off
- UL/cUL Listed

### Model 124 I.S. Single Phase Duplex
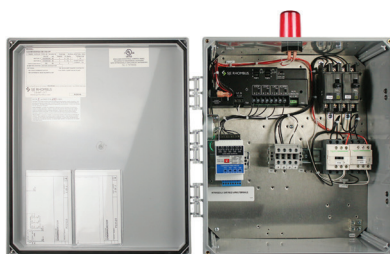


- Designed to control two alternating 120/208/240V single phase pumps in intrinsically safe applications
- Innovative duplex controller for pump control, alternation, and alarm
- NEMA 4X enclosure
- Alternating pump control with override equalizes pump wear
- IEC motor contactor control
- UL/cUL Listed



## Intrinsically Safe

Intrinsically safe Build-A-Panel™ control panels are designed for applications requiring **intrinsically safe float circuits or other circuit extensions**.

SJE Rhombus has secured an Underwriters Laboratory (UL) dual safety certification for Canada and the United States, **cUL/US Listing**, on control panels with intrinsically safe circuits.

Common applications for intrinsically safe panels include pump chambers, lift stations, and other applications classified as hazardous locations requiring intrinsically safe circuits.

- ✓ Single Phase Simplex I.S. (114)
- ✓ Single Phase Duplex I.S. (124)
- ✓ Three Phase Simplex I.S. (314)
- ✓ Three Phase Duplex I.S. (324)

# BUILD-A-PANEL™



## Capacitor Start/Run

SJE Rhombus offers motor control panels designed specifically for grinder pump applications or other pumps requiring **external motor starter kits**. Common applications include pump chambers and lift stations. UL/cUL Listed.

✓ Single Phase Simplex (113)
✓ Single Phase Duplex (123)



## Timed Dose

For systems requiring a timed dose (sand filter, pressure distribution, mound systems, etc.). Timed dosing control panels feature a **programmable timer** which activates the magnetic motor contactors to turn the pump(s) on and off. UL/cUL Listed.

✓ Single Phase Simplex (TD)
✓ Single Phase Simplex and Duplex - Sand Filter (PS11, PS12)

### Model 314 I.S. Three Phase Simplex
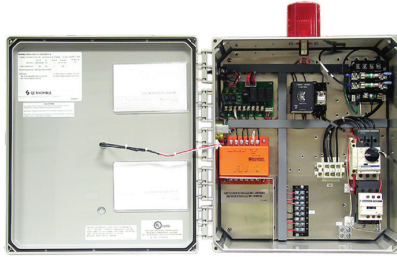


- Designed to control one 208/240/480V three phase pump in intrinsically safe applications
- NEMA 4X enclosure
- Two control switches activate an IEC magnetic motor contactor to turn the pump on and off
- UL/cUL Listed

### Model 324 I.S. Three Phase Duplex
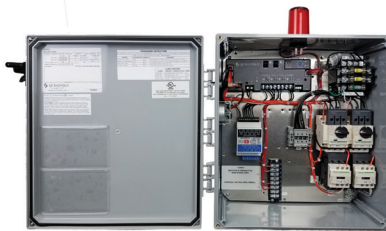


- Designed to control two alternating 208/240/480V three phase pumps in intrinsically safe applications
- Innovative duplex controller for pump control, alternation and alarm
- NEMA 4X enclosure
- Alternating pump control with override equalizes pump wear
- IEC motor contactor control
- UL/cUL Listed

### Model 113 Single Phase Simplex
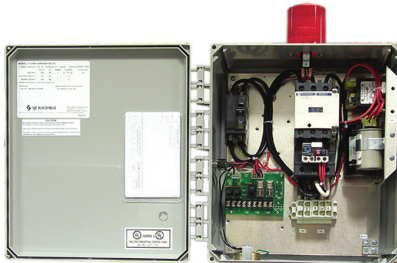


- Provides a reliable means of controlling one 120/208/240V single phase pump requiring external starting components
- NEMA 4X rated enclosure
- Capacitor start/run pump control
- UL/cUL Listed

### Model 123 Single Phase Duplex



- Provides a reliable means of controlling two alternating 120/208/240V pumps requiring external starting components
- Innovative duplex controller for pump control, alternation, and alarm
- NEMA 4X enclosure
- Capacitor start/run pump control with override
- UL/cUL Listed

### Model TD Single Phase Simplex



- Designed to control one 120/208/240V single phase pump in timed dose applications
- NEMA 4X enclosure
- Programmable timer/motor contactor control with override
- UL/cUL Listed

### PS11/PS12 Single Phase
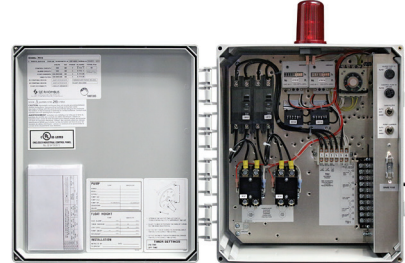


- Provides reliable means of controlling both pump chamber and sand filter pumps in an onsite septic installation
- Two independent motor contactor control/programmable timed dosing control panel
- NEMA 4X enclosure
- PS11 (120V) PS12 (240V)
- UL/cUL Listed

## SJE Oil Spotter™/Oil Spotter™ Auto System

- Designed to control one single phase pump used to remove water from elevator pits while preventing oil from being pumped into the environment; features innovative factory-installed Oil Water Switch; receptacle accepts 120V pump plug
- NEMA 1 enclosure for indoor use
- UL/cUL Listed, ASME A17.1 Compliant
- Oil Spotter™ Auto includes auto/hand pump switch

## VARIOspeed® N1 Constant Pressure Control

- NEMA 1 indoor enclosure
- Factory pre-programmed variable frequency drive
- Available HP range (208V-240V) 1.5-20 HP; (480V) 3-20 HP
- 4 line/20 character back-lit LCD display
- Includes pressure transducer
- UL/cUL Listed

## VARIOspeed® 3R Duplex Constant Pressure Control

- NEMA 3R indoor/outdoor enclosure
- Factory pre-programmed variable frequency drive
- Available HP range (208V-240V) 1.5-20 HP; (480V) 3-20 HP
- 4 line/20 character back-lit LCD display
- Includes pressure transducer
- Includes fan and thermostat on 7.5-20 HP models
- UL/cUL Listed

## Select Start™ Starter Boxes Three Phase Motor Control
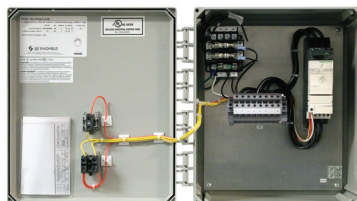
- Field select voltage: 208V, 240V or 480V
- Indoor/outdoor enclosure
- Self protected combination motor controller turns motor on/off
- Adjustable motor overload covers wide amp range
- Optional through door pump disconnect
- UL/cUL Listed

## VARIOspeed® 3R Constant Pressure Control

- NEMA 3R indoor/outdoor enclosure
- Factory pre-programmed variable frequency drive
- Available HP range (208V-240V) 1.5-20 HP; (480V) 3-20 HP
- 4 line/20 character back-lit LCD display
- Includes pressure transducer
- Includes fan and thermostat on 7.5-20 HP models
- UL/cUL Listed

## VARIOspeed® Triplex Control Panel
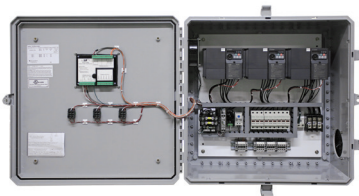
- Controls up to (3) 3-5HP pumps in constant pressure applications
- Features the VFDC-3000 controller to automatically adjust the speed of each VFD
- Fast intuitive menu navigation and set up
- NEMA 1 rated thermal plastic enclosure rated for indoor use
- HP Range: (208-240V) 3-5HP; (480V) 3-5HP
- Includes 0-200 PSI Pressure Transmitter
- UL/CUL Listed

## Elevator Oil Detection Products

Oil detection products provide pump control and alarm notification of potentially threatening water and oil levels in simplex pumping applications.

✓ SJE Oil Spotter™ System
✓ SJE Oil Spotter™ Auto System

## Constant Pressure Controls

VARIOspeed® series of constant pressure controls are an economical, pre-engineered solution for variable speed pumping controls including:

- Submersible deep well pumps
- Booster pumps
- Irrigation pumps

The controls are designed using a single factory-programmed VFD in a NEMA 1 or NEMA 3R enclosure with user friendly keypad and display for easy installation and setup.

# BUILD-A-PANEL™

## Plugger Products

Plugger products feature a receptacle to accept a 120/230V pump plug and/or a piggy-back plug for typical pumping station applications.

✓ JB Plugger System
✓ Quick Post Plus™ Outdoor System
✓ Quick Post Plus™ System with Indoor Alarm
✓ Ultra Nator™ System
✓ PS Patrol® System

## Don't see the control panel you need for your application?

Our **Build-A-Panel™ PLUS Program** is designed to benefit customers who require additional options beyond what our standard control panel line offers, but do not require a custom engineered solution. The **Build-A-Panel™ PLUS Program** utilizes inventoried components to allow for:

✓ Quality, flexibility and economical
✓ 24-hour quote response
✓ Larger enclosure sizes
✓ Multiple pumps

## Ask about our new ACCEL™ Panel Program

✓ Pre-engineered base models
✓ Same day quotes
✓ Self-service quote tool
✓ 24 hour submittals
✓ 10 day delivery

### JB Plugger System

- Easy-to-install junction box which provides a convenient location to connect all wiring required for pump station applications; features a receptacle to accept a 120/230V pump plug and/or a piggy-back pump switch
- NEMA 4X enclosure, hinged door
- UL/cUL Listed

### Quick Post Plus™ System with Indoor Alarm

- Convenient wiring connection and system monitoring for pump station application
- Factory installed 22" mounting post with access door for easy wiring
- Complete kit includes: 8" x 8" x 4" NEMA 4X enclosure with mounting post, 120V or 230V receptacle, Tank Alert® AB indoor alarm, riser extension kit, (2) cord seals, control switch - optional ETM, DUO available
- UL/cUL Listed

### Quick Post Plus™ Outdoor System

- Convenient wiring connection and system monitoring for pump station application
- Factory installed 22" mounting post with access door for easy wiring
- Complete kit includes: 8" x 8" x 4" NEMA 4X enclosure with mounting post, 120V or 230V receptacle, integral alarm, riser extension kit, (2) cord seals, control switch - optional ETM, DUO available
- UL/cUL Listed

### Ultra Nator™ System

- Control/alarm system designed to control two single phase alternating pumps; features two receptacles for easy pump connections and factory-installed pump activation and alarm activation switches
- NEMA 1 enclosure for indoor use
- Audible and visual alarm
- UL/cUL Listed

### PS Patrol® System

- Enhanced design features a sleek, angled removable clear cover for easy access field wiring
- Red LEDs illuminate top of cover in alarm condition for 360° visual
- Receptacle for connection of pump and piggy-back pump switch
- Includes cord seal
- Pedestal rated for outdoor use
- Available with or without mounting post
- CSA Certified

### Model 126 Single Phase Duplex
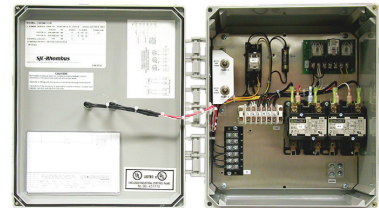
- Designed to alternately control two 120/208/240V single phase pumps in water well applications; provides override control to maintain pressure
- NEMA 1 or NEMA 4X enclosure
- Available with contactors or without contactors
- UL/cUL Listed

## Xpert Alert® WiFi Alarm

- Indoor alarm features 2 sensor inputs to monitor 2 separate level conditions
- LED alarm light ring illuminates red for alarm 1 and amber for alarm 2
- Red low temperature LED activates when temperature falls below 40°F (4°C)
- Large test/silence button on front
- Includes auxiliary contacts
- Provides 24/7 remote notification up to 4 contacts (2 email, 2 text)
- Text/email alerts: alarm offline, power out/restored, low temperature/battery
- CSA certified

## Xpert Alert® Alarm

- Indoor alarm features 2 sensor inputs to monitor 2 separate level conditions
- LED alarm light ring illuminates red for alarm 1 and amber for alarm 2
- Red low temperature LED activates when temperature falls below 40°F (4°C)
- Large test/silence button on front
- Includes auxiliary contacts
- CSA certified

## Tank Alert® AB DUO Alarm

- Indoor DUO alarm system monitors two levels conditions
- NEMA 1 rated for indoor use
- Alarm test switch, horn silence switch
- LED indicator lights (red - alarm 1; yellow - alarm 2; green power on)
- Battery backup
- CSA Certified

## Tank Alert® XT Alarm

- The Tank Alert® XT indoor/outdoor alarm meets NEC standards for junction boxes. OPTION: Pre-mounted terminal block so enclosure can be used as junction box for cord splices
- Rain-tight outdoor enclosure
- Automatic alarm reset, horn silence switch, alarm test switch
- UL Listed; CSA Certified

## Tank Alert® I Alarm

- The Tank Alert® I indoor alarm sounds when a potentially threatening liquid level occurs. Alarm (when installed on separate circuit) operates even if pump circuit fails
- NEMA 1 rated for indoor use
- Red alarm light, green power light, alarm test switch, horn silence switch
- UL Listed; CSA Certified

## Tank Alert® 4X Alarm

- The Tank Alert® 4X indoor/outdoor alarm sounds when a potentially threatening liquid level condition occurs
- NEMA 4X enclosure
- Automatic alarm reset, alarm test/normal/silence switch
- Optional auxiliary alarm contacts
- UL/cUL Listed

## Tank Alert® AB Alarm

- The Tank Alert® AB indoor alarm offers auto reset and battery backup features. The horn sounds when a potentially threatening liquid level occurs
- NEMA 1 rated for indoor use
- Red alarm light, green power light, alarm test switch, horn silence switch
- UL Listed; CSA Certified

## Tank Alert® EZ Alarm

- Tank Alert® EZ indoor/outdoor alarm features removable cover for easy installation
- Sleek, innovative design features a distinct 2-color molded enclosure
- Integrated LED beacon
- External mounting tabs
- Alarm test/silence switch
- DUO models available
- CSA Certified

## Tank Alert® Solar Alarm

- Powered by a rechargeable battery via 12 VDC, 10 watt solar panel
- Lithium Ion batteries provide backup power
- Safe, low voltage connections for solar panel and float
- NEMA 4X enclosure rated for indoor or outdoor use
- Integral mounting tabs for easy installation

# Pump Switches

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

# Control Switches

**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 models have colored caps for easy identification.

| Pump Switch | Type of Activation | Pump Control | Max Pump Run Current | Max Pump Start Current | Pumping Rage |
|---|---|---|---|---|---|
| SJE PumpMaster® WPS | Mechanical | 1/2 HP, 120V<br>1 HP, 230V<br>min load: 120V, 100mA | 13A, 120V<br>13A, 230V | 85A, 120V<br>85A, 230V | 7 to 36 inches |
| SJE PumpMaster® | Mechanical | 1/2 HP, 120V<br>1 HP, 230V | 13A, 120V<br>13A, 230V | 85A, 120V<br>85A, 230V | 7 to 36 inches |
| SJE PumpMaster® Plus | Mechanical | 3/4 HP, 120V<br>2 HP, 230V | 15A, 120V<br>15A, 230V | 85A, 120V<br>85A, 230V | 7 to 36 inches |
| SJE PumpMaster® SPDT (Single Pole, Double Throw) | Mechanical | 1/2 HP, 120V<br>1 HP, 230V | 13A, 120V<br>13A, 230V | 85A, 120V<br>85A, 230V | 7 to 36 inches |
| Double Float® Master | Mechanical | 15 FLA, 90 LRA<br>120 or 240 V | 15A, 120V<br>15A, 230V | 90A, 120V<br>90A, 230V | 4 to 48 inches (wider available) |
| SJE AmpMaster® | Mechanical | 1 1/2 HP, 120V<br>3 HP, 250V | 20A, 120V<br>20A, 230V | 120A, 125V<br>120A, 250V | 9 to 24 inches |
| SJE VerticalMaster® (For Limited Space Applications) | Mechanical | 1/2 HP, 120V<br>1 HP, 230V | 13A, 120V<br>12A, 230V | 60A, 120V<br>60A, 230V | .75 to 6.5 inches |
| SJE MicroMaster® AC/DC | Mechanical | Use Pump Run and Start Current | 10A, 12VDC/125VAC<br>8A, 250VAC | 100A, 12VDC<br>60A, 125V/250V | 8 to 36 inches |
| SJE MicroMaster® Plus WS | Mechanical | Use Pump Run and Start Current | 13A, 125V<br>12A, 250V | 78A, 125V<br>72A, 250V | 8 to 36 inches |
| Junior Super Single® | Mercury | 1/2 HP, 120V<br>1 HP, 230V | 13A, 120V<br>8A, 230V | 40A, 120V<br>20A, 230V | 6.5 to 19inches |
| Super Single® | Mercury | 1 HP, 120V<br>2HP, 230V | 15A, 125V<br>12A, 230V | 55A, 125V<br>35A, 230V | 6.5 to 13.5 inches |
| Double Float® | Mercury | 1 HP, 120V<br>2 HP, 230V | 15A, 120V<br>12A, 230V | 55A, 120V<br>35A, 230V | 1.75 to 48 inches (wider available) |
| SJE HiTempMaster® | Mechanical | Use Pump Run and Start Current | 13A, 120V<br>12A, 230V | 78A, 125V<br>72A, 250V | 8 to 36 inches |

| Control Switch | Type of Activation | Control Differential | Electrical Rating | Mounting Options |
|---|---|---|---|---|
| EZconnex® 3 or 4-Port Float Connection System | Mechanical | Narrow 1.5 inches; Wide 4 inches above or below horizontal | 125VAC/30VDC<br>0.160mA-A; 5VDC<br>1mAmin. | Mounting Clamp |
| SJE MegaMaster™ | Mechanical | Approximately 10° above or below horizontal | 1 mA - 1 amp<br>4VDC - 125VDC | Float Bracket |
| SJE SignalMaster® (NO - Yellow Cap; NC - White Cap) | Mechanical | Approximately 1.5 inches above or below horizontal | 5 amp<br>125V or 250V | Mounting Clamp or Cable Weight |
| SJE SignalMaster® SPDT (Single Pole, Double Throw; Green Cap) | Mechanical | Approximately 1.5 inches above or below horizontal | 5 amp<br>125V or 250V | Mounting Clamp or Cable Weight |
| SJE MilliAmpMaster™ WPS (Narrow-Angle; Orange Cap) | Mechanical | Approximately 1.5 inches above or below horizontal | 0.160 - 100 mA<br>5V - 125V | Mounting Clamp |
| SJE MilliAmpMaster™ (Narrow-Angle or Wide-Angle; Blue Cap) | Mechanical | Narrow 1.5 inches; Wide 4 inches above or below horizontal | 0.160 - 100 mA<br>5V - 125V | Mounting Clamp or Cable Weight |
| Sensor Float® | Mercury | Approximately .5 inches above or below horizontal | 5 amp<br>120V or 230V | Mounting Clamp, Cable Weight, Internal Weight |
| Sensor Float® Mini | Mercury | Approximately .5 inches above or below horizontal | 5 amp<br>120V or 230V | Mounting Clamp or Cable Weight |

## EZconnex® Float Connection System



- 3 or 4-port quick release float connection ports makes installation and maintenance easy
- A single multi-conductor direct burial cable with shield
- Manifold features color coded system to match Red-Blue-Yellow-White cable wire pairs for easy float identification
- Rated for short term water submersion
- Includes mounting bracket
- Designed for use with EZconnex® float switches (not included with manifold; float switches must be ordered separately)
- Rubber boot provides a dual seal design for an extra layer of protection to keep connections clean and dry
- Patented, CSA Certified
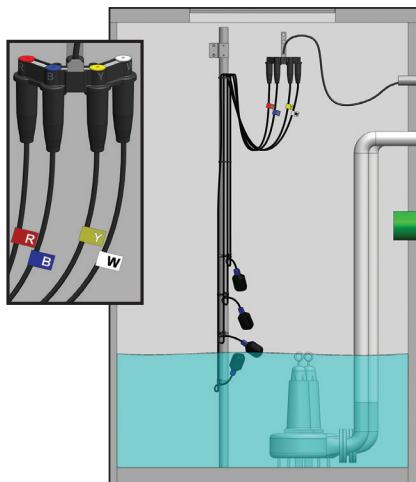


## Home Protection Products
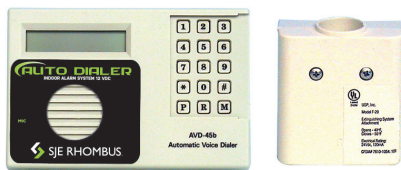


- Auto Dialer is a single channel voice dialer that delivers recorded message to warn of potentially threatening condition
- Home Temperature Monitor switch provides a means to monitor environmental temperature.

## C-Con™ Converter Box



**Available with CL40 model only.**

- Allows most control panels to utilize floatless C-Level™ sensor
- NEMA 1 rated for indoor use
- Can be mounted inside a panel
- Green power on indicator
- Four adjustable output set points with red LED status indicators
- Adjust pump start/stop and alarm levels from converter box
- Simulate button for testing proper wiring of outputs
- Factory-installed input/output wires
- Alternative to mercury switches
- UL/cUL Listed

## SJE Level Monitor™ CL



- Monitors tank levels using floatless C-Level™ sensor
- NEMA 1 rated for indoor use
- Power on and alarm indicators
- 10 segment LED bar graph displays level in the tank
- Test/silence, alarm level and set buttons
- Various cable lengths to monitor tanks up to 300 feet away
- Auxiliary contacts for Class II circuits

## Float Accessories



- Cable Clamp Assembly provides strain relief and anchor of cables
- Float Brackets (4-6 floats) for installation of float switches
- Pipe Mounting Bracket to secure discharge pipe to basin wall
- Cable Weight/Cable Weight Mini provide pivot point for floats
- ETM records total pump run time
- Vertical Reed Switch is alternate control switch for specific needs
- Anchor and Chain for suspended float switch installations

## Control Panel Accessories



- Junction Boxes provide convenient location to connect and protect wiring
- Cord Seal provides strain relief and a liquid-tight seal for 1-4 or 1-6 cables
- Cable Connectors (round or flat) for liquid-tight seal and strain relief
- Hub Assembly provides liquid-tight conduit attachment location
- Panel Mounting Post provides easy installation of control panels
- Riser Mounting Kit secures panel mounting post to tank riser
- Simplex/Duplex Installation Kit provides easy weather-proof wire installation for control panels
- C-Level™ Simulator is designed to generate an adjustable C-Level simulation signal
- 4-20mA Simulator is designed to generate an adjustable 4-20mA signal from loop power

## ABOUT SJE RHOMBUS®

SJE Rhombus provides **smart control solutions** for today's growing environmental challenges. We combine over **40 years of expertise** in pump controls with the **latest technology** to deliver **energy efficient, cost-effect products** for a wide variety of residential, commercial, municipal and industrial applications.

No matter the application, SJE Rhombus has a control solution to fit your needs, whether it's a simple float switch or septic tank alarm to control panels utilizing embedded circuit board technology for advanced programming, monitoring and reporting of your system. And it we don't have it in our standard catalog, we can design and build a **custom control solution** to meet your exact specifications.

New product designs endure extensive in-house and field testing before submittal to recognized independent laboratories for safety testing and approval (UL, cUL, CSA). This commitment to quality ensures you a dependable, trouble-free product. We are so confident in our products that we offer an industry-leading **five-year limited warranty**.

With corporate headquarters located in central Minnesota, SJE Rhombus has multiple locations across the USA and Asia.  Because SJE Rhombus is **100% employee owned**, each employee has a **personal stake** in the success of the company. From engineering to production to customer service, each and every employee-owner takes **great pride** in providing the quality products and service that SJE Rhombus offers. After all, **our success is measured by your satisfaction.**

SJE Rhombus offers the **best one-on-one customer support** in the industry. Our **friendly, knowledgeable staff** is prepared to answer any questions, from assisting in selecting the correct product for the application to answering installation questions in the field. Learn more about us at **www.sjerhombus.com**.

## SJE RHOMBUS®

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In addition to many state on-site and rural water associations,
SJE Rhombus® is proud to be members of these national industry associations:

Submersible Wastewater Pump Association
**SWPA MEMBER**

**SSPMA MEMBER**

**NOWRA** National Onsite Wastewater Recycling Association

**Water Environment Federation** the water quality people®

Member of: **Hydraulic** INSTITUTE

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