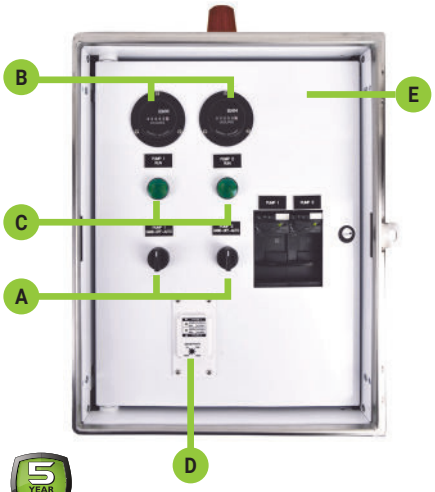
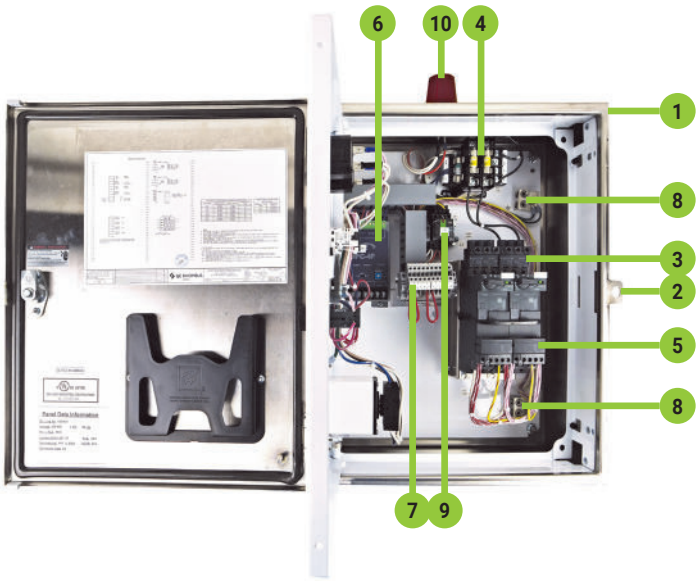
MODEL 32S CONTROL PANEL

Three Phase, Duplex Alternating Pump Control with Override - Simply Add the Appropriate Overload Modules





c UL us LISTED

5 YEAR LIMITED WARRANTY

Panel layout may vary with options.

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 audible/visual alarm system along with auxiliary contacts for remote alarm. Common applications include lift stations, pump chambers, or installations classified as hazardous locations requiring intrinsically safe circuits.

INNER DOOR FEATURES

Inner Door provides a degree of safety for panel operation.

A. Hand/Off/Auto switches (22mm) for manual pump control (mounted on inner door)

B. Elapsed Time Meters provide time monitoring of pump operation (mounted on inner door)

C. Green Pump Run indicator lights (22mm) identify pump called to run condition (mounted on inner door)

D. Adjustable seal fail module provides dual pump seal inputs and two red seal fail indicators (mounted on inner door)

E. Inner door provides a degree of safety for panel operation

COMPONENTS

1. Enclosure measures 20” x 16” x 8” (50.8 x 40.6 x 20.3 cm) Type 4X stainless steel or Type 4X fiberglass 18" x 16" x 10" (45.7 x 40.6 x 25.4 cm) 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 along with primary and secondary fusing
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. DPC-4F controller sequences pumps on and off in response to change in level input provided by the float switches, provides pump alternation selection (Alt, 1-2, 2-1), lag pump delay time (0-60 seconds), and provides the high water alarm and float out-of-sequence alarm conditions; for float out of sequences, the controller will reassign float designation for continued operation, until the float condition has cleared
7. Terminal blocks provide location for field wiring of floats, auxiliary alarm contact, seal fail and thermal cutout for each pump
8. Ground bar provides location for field wiring ground wires incoming power and pumps
9. Auxiliary alarm relay provides normally open contacts for activation of remote devices during high water condition
10. Red LED beacon provides 360 degree visual check of alarm condition
11. Alarm horn provides audio warning of alarm condition (95 decibel rating) (Not shown)
12. Exterior Test/Silence button (22 mm) allows horn and light to be tested and horn to be silenced in an alarm condition; alarm automatically resets once alarm condition is cleared (Not shown)

Intrinsically Safe Models

13. Intrinsically safe 4-channel module limits the amount of energy to float switches preventing ignition of flammable gases (Not shown)

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

SJE RHOMBUS®

9500069I Rev 09/23

MODEL 32S - Three phase, duplex alternating pump control with override. Simply add the appropriate overload modules.

Part #	Description
1037516	32S1S000X3A5AE6A8A10AE19B Stainless Steel Enclosure
1059958	32S1W000X3A5AE6A8A10AE19B Fiberglass Enclosure
1059959	32S1W000X3A5AE6A8A10AE19B27A Fiberglass Enclosure, Intrinsically Safe Relay
1059960	32S1S000X3A5AE6A8A10AE19B27A Stainless Steel Enclosure, Intrinsically Safe Relay
Options Part #	**Description**
1033805	Overload Module 1.25-5.0 FLA
1023500	Overload Module 4.5-18.0 FLA
1033806	Overload Module 8.0-32.0 FLA
1036351	Surge Arrestor with Bracket

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

SPECIFICATIONS

VOLTAGE SUPPLY: 208/230/460 VAC 50/60 Hz 3Ø

ENCLOSURE: 32SIS: 20 x 16 x 8 inch (50.8 x 40.6 x 20.3 cm) NEMA 4X stainless steel, rated of indoor/outdoor use
32SIW: 18 x 16 x 10 inch (45.7 x 40.6 x 25.4 cm) NEMA 4X fiberglass, rated for indoor/outdoor use

INNER DOOR & BACK PLATE: white painted steel

LOCKING LATCH: (1) stainless steel 32SIS, or (2) thermoplastic 32SIW, padlockable

DPC-4F CONTROLLER: Provides pump control sequence, pump selector switch, pump lag delay timer (0-60sec), high water alarm, float out-of-sequence alarm and float reassignment, green pump call-to-run LEDs, and amber float status LEDs

FLOAT CONTROL VOLTAGE: 12 DC

MOTOR STARTER: IEC motor protection switch, IEC motor contactor with disconnect/overload reset mounted through the inner door

PUMP AMPS: 0-32 FLA each

ALARM HORN: 83-85 decibel rating

FLASHING RED LED ALARM LIGHT 360°

PUMP HAND-OFF-AUTO SWITCHES: 22mm mounted on inner door

PUMP RUN LIGHTS: green LED, 22mm mounted on inner door

ELAPSED TIME METER: mounted on inner door

DUAL SEAL FAIL MODULE: two pumps, adjustable 1k-250kΩ, red LED's mounted on inner door

AUXILIARY ALARM CONTACTS: Form A, N.O.

INTRINSICALLY SAFE MODELS: 4 channel IS relay cUL 913 Listed
Control panel cUL 698A Listed