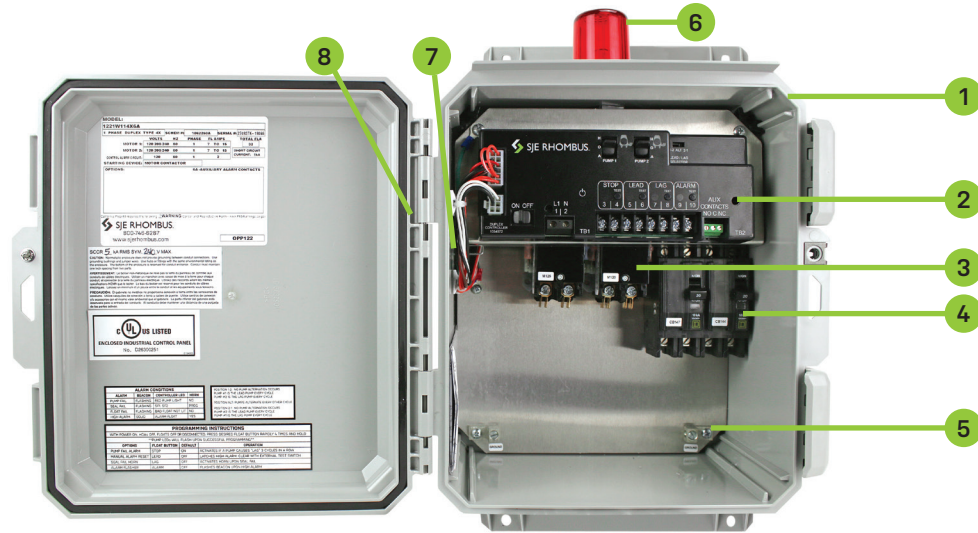


MODEL 122 CONTROL PANEL

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 controller is provided with a pump selector switch that can be set to alternate the pumps to equalize wear or to call either pump to activate first with the other pump to activate in lag condition. If an alarm occurs, the alarm activates the audible-visual system. The alarm conditions include: high water, float out-of-sequence, pump fail-to-run, seal failure (optional). Common applications include: lift stations, pump chambers, and irrigation systems.



Model 122 NEMA 4X Model Shown

Standard Control Panels

PANEL COMPONENTS

1. Newly designed larger NEMA 4X enclosure for indoor/outdoor use
 - a. Drip shield
 - b. (2) heavy duty wide clamping securable latches
 - c. Stainless steel 1/4 turn cover set screw
 - d. Low profile hinged padlockable cover
 - e. Integral mounting flanges
2. Duplex Controller
 - a. Pump HOA switches with green/red LED indicators
 - b. Control Power ON/OFF switch
 - c. Power ON green LED indicator
 - d. Float status red LED indicators
 - e. Float push-to-test buttons
 - f. Pump selector switch
 - g. Auxiliary alarm contacts
 - h. Terminal blocks for incoming power and float switches
 - j. Option: adjustable seal failure circuits and red LED indicators (must select option 5E when ordering)
3. Magnetic Motor Contactors control pumps by switching electrical lines.
4. Circuit Breakers (optional) provides pump disconnect and branch circuit protection
5. Ground Lugs
6. Red LED Alarm Beacon
7. Alarm Horn (not visible)
8. Exterior Alarm Test/Normal/Silence Switch (not visible)

FEATURES

- Touch safe circuit board housing and low voltage 12 VDC float circuits
- Alarm (field programmable to flash)
- Alarm automatic reset (field programmable to manual alarm reset)
- Float out-of-sequence detection
- Pump fail-to-run detection (field programmable to deactivate)
- Controller protected by four auto resettable fuses (control, alarm, pump 1, and pump 2), no fuse replacement
- Three second lag pump delay time, prevents simultaneous pump start-up
- Standard package includes three 20' control switches or EZconnex® float system
- Five-year limited warranty



SJE RHOMBUS

Phone: +1 218 847 1317
email: customer.service@sjeinc.com

SEE BACK SIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

www.sjehombus.com B.9

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MODEL 122**ALARM PACKAGE**

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

ENCLOSURE RATING

- I = Indoor, NEMA 1 (metal)
 W = Weatherproof, NEMA 4X (engineered thermoplastic)

STARTING DEVICE

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

PUMP FULL LOAD AMPS

- 0 = 0-7 FLA
 1 = 7-15 FLA
 2 = 15-20 FLA
 3 = 20-30 FLA

PUMP DISCONNECTS

- 0 = no pump disconnect
 4 = circuit breaker 120V (select STARTING DEVICE option 9 above)
 120/208/240V (select STARTING DEVICE option 1 above)

FLOAT SWITCH APPLICATION

- H or L = pump down or pump up (select 17 option)
 E = EZconnex® float switch system (select 34 or 35 option)
 X = no floats

OPTIONS *Listed below*

ENCLOSURE UPSIZE - If you selected one or more of the ★ options,

CODE DESCRIPTION

- 1A Red beacon only / no audio
(must select "0" for alarm package)
- 1C Horn only / no visual
(must select "0" for alarm package)
- 3A Alarm flasher (factory programmed)
- 3B Manual alarm reset (factory programmed)
- 4A Redundant off
(select Option 4D if floats included)
- 4B Red redundant off indicator & alarm
(must select Option 4A)
- 4D Redundant off float
(must select 4A and 17 options)
- 5A Thermal cutout/heat sensor auto reset
(for pumps w/thermal switch leads)
- 5E Seal failure circuit & red indicator (2 wire)
- 6A Auxiliary alarm contact, Form C
(included as standard)
- 8A Elapsed time meter
- 8C Event (cycle) counter
- 9_A Pump overload
specify amperage after number 9 followed by letter "A".
Example: 912A = 12 amp pump.
- 0-25 FLA
- 25-30 FLA
- 10E Lockable latch - NEMA 4X (included as standard)
- 10E Lockable latch - NEMA 1
- 10F Lightning arrester (select pump circuit breaker)
- 10K Anti-condensation heater
- 11C NEMA 1 alarm panel
- 11D NEMA 4X alarm panel
- ★ 14B Main disconnect (rotary style, mounted through door, non-fused, padlockable in the OFF-position, door interlock in the ON-position)
(must select circuit breaker)
- ★ 0-20 FLA (total of both pumps)
- ★ 20-60 FLA (total of both pumps)

CODE DESCRIPTION

- 16A 10' cord in lieu of 20' (per float)
- 16B 15' cord in lieu of 20' (per float)
- 16C 30' cord in lieu of 20' (per float)
- 16D 40' cord in lieu of 20' (per float)
- 17C Sensor Float® / internally weighted ▲ (per float)
- 17D Sensor Float® / externally weighted ▲ (per float)
- 17E Sensor Float® Mini / pipe clamp ▲ (per float)
- 17F Sensor Float® Mini / externally weighted ▲ (per float)
- 17G SJE MilliAmpMaster™ / pipe clamp ● (per float)
- 17H SJE MilliAmpMaster™ / externally weighted ● (per float)
- 17J Sensor Float® / pipe clamp ▲ (per float)
- 19B Lead lag selector switch (included as standard)
- 19F Fourth float to separate alarm function from lag
- 19T TOA (Test/Off/Automatic) switches and pump run lights through door mounted
- 19U HOA (Hand/Off/Automatic) switches and pump run lights through door mounted
- 19X Door mounted pump run indicators
- 34D EZconnex® 4-Port, 25', w/10' floats (3) /pipe clamp, sealing plug *
- 34E EZconnex® 4-Port, 50', w/10' floats (3) /pipe clamp, sealing plug *
- 34G EZconnex® 4-Port, 25', w/20' floats (3) /pipe clamp, sealing plug *
- 34H EZconnex® 4-Port, 50', w/20' floats (3) /pipe clamp, sealing plug *
- 35D EZconnex® 4-Port, 25', w/10' floats (4) /pipe clamp *
- 35E EZconnex® 4-Port, 50', w/10' floats (4) /pipe clamp *
- 35G EZconnex® 4-Port, 25', w/20' floats (4) /pipe clamp *
- 35H EZconnex® 4-Port, 50', w/20' floats (4) /pipe clamp *

● Mechanically-activated ▲ Mercury-activated

* EZconnex® mechanically-activated, narrow angle float switches with quick release connections.