

MODEL PS Control Panel

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

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

PANEL COMPONENTS

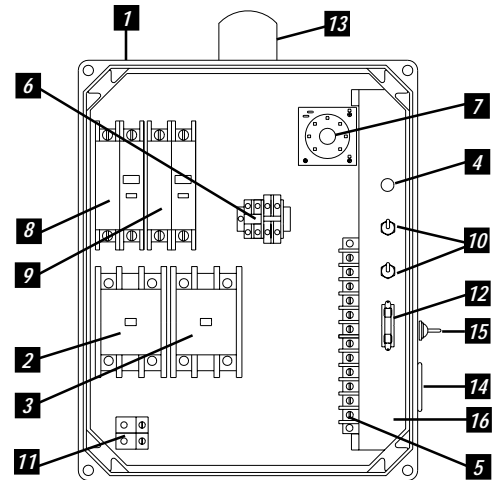
1. **Enclosure** measures 14 x 12 x 6 inches (35.56 x 30.48 x 15.24 cm); NEMA 4X (ultraviolet stabilized thermoplastic) with removable flanges for indoor or outdoor use.
2. **Pump Chamber Magnetic Motor Contactor** controls pump chamber pump by switching electrical lines.
3. **Sand Filter Magnetic Motor Contactor** controls pump chamber 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.

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.



Model Shown PS1W104X

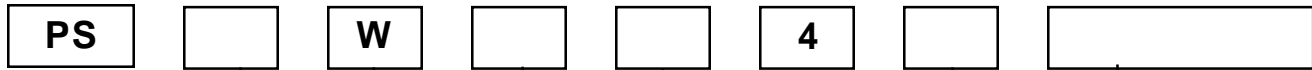
FEATURES

- 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, one 20' SJE PumpMaster® SPDT pump switch and one 20' Sensor Float® control switch
- Complete with step-by-step installation instructions
- Three-year limited warranty



SJE
Rhombus
CONTROLS

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



MODEL PS

ALARMPACKAGE

- 0 = no alarm (If you select "0", you must select option 1F)
- 1 = alarm package (includes test/normal/silence switch, red beacon, horn)

ENCLOSURERATING

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

STARTINGDEVICE

- 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

PUMP DISCONNECTS

- 4 = circuit breaker

FLOAT SWITCH APPLICATION

- H = Two 20' SJE PumpMasters® (gray) - low level cutout (pump chamber) and on/off (sand filter)
one 20' SJE PumpMaster® SPDT (gray) - high alarm (sand filter) and pump chamber cutoff
one 20' Sensor Float® (black) - high alarm (pump chamber)
- X = no floats

OPTIONS Listed below

If additional features are required, call the factory for a quote on either a SJE-Rhombus Pro-Line or Engineered Custom control panel system.

CODE DESCRIPTION

- 1F Door mounted alarm indicator with horn and test/normal/silence switch (*must select "0" for alarm package*)
- 3F High level indicators
- 4B Redundant off, alarm activation, red indicators (*must select option "4D" if floats included*)
- 4D Redundant off float (two 20' Sensor Floats®)
- 4E Redundant off, alarm activation *must select 4D if floats included*
- 6A Normally open dry auxiliary alarm contacts
- 8A Elapsed time meters (each pump)
- 8C Event (cycle) counters (each pump)

CODE DESCRIPTION

- 10E Lockable latches
- 10K Anti-condensation heater
- 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*)
- 18A Timer override float (20' SJE PumpMaster®)
- 19X Externally mounted pump run indicators
- 21E SJE PumpMaster® in lieu of Sensor Float® (*per float*)

SAMPLE

