

# 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.

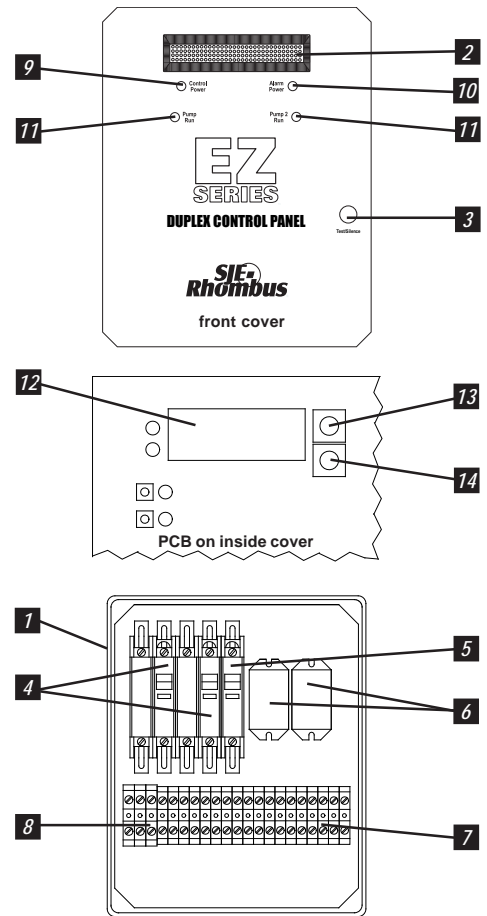
The EZ Series™ duplex control panel features a display on the inside of the front cover for programming and system monitoring.

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/Fuse** indicator light illuminates if control power is present in panel.
10. **Alarm Power Indicator/Fuse** 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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SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.

EZS4
1
W
 
 
4
 
3A 6A 8AC 10E 15A

**MODEL EZS4**

- ALARMPACKAGE**  
1 = alarm package (includes test/normal/silence switch, fuse, red light & horn)
- ENCLOSURERATING**  
W = NEMA 4X
- STARTING DEVICE**  
1 = 120/208/240 VAC  
9 = 120 VAC
- PUMP FULL LOAD AMPS**  
0 = 0-7 FLA  
1 = 7-15 FLA  
2 = 15-20 FLA
- PUMP DISCONNECTS**  
4 = circuit breaker(s)  
120 VAC (must select starting device option 9)  
120/208/240 VAC (must select starting device option 1)
- SWITCH APPLICATIONS**  
H = floats (select 17 option)  
X = no float  
**Note:** Pump down applications only.
- OPTIONS** *Listed below*

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

- CODE DESCRIPTION**
- 1J Duo alarm inputs
  - 3A Alarm Flasher *(included as standard)*
  - 6A Auxiliary alarm contacts, form C *(included as standard)*
  - 8AC Display board includes: ETM counter, events (cycles) counter, alarm counter *(included as standard)*
  - 10E Lockable latch - NEMA 4X *(included as standard)*
  - 10P Mounting post *(factory installed)*
  - 15A Control / Alarm circuit breaker *(included as standard)*
  - 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)*

- CODE DESCRIPTION**
- 17C Sensor Float® / internally weighted ▲ *(per float)*
  - 17D Sensor Float® / externally weighted ▲ *(per float)*
  - 17G MilliAmpMaster™/ pipe clamp ● *(per float)*
  - 17H MilliAmpMaster™/ externally weighted ● *(per float)*
  - 17J Sensor Float® / pipe clamp ▲ *(per float)*
  - 18A Timer override option with float (timed dose only)
- Mechanically-activated      ▲ Mercury-activated

**SAMPLE**

**MODEL** EZS 4 1 W 1 1 4 H 3A 6A 8AC 10E 15A 17G

Model Type \_\_\_\_\_

Alarm Package \_\_\_\_\_

Enclosure Rating \_\_\_\_\_

Starting Device \_\_\_\_\_

Pump Full Load Amps \_\_\_\_\_

Pump Disconnects \_\_\_\_\_

Switch Application \_\_\_\_\_

Options: Auxiliary alarm contact, form C, \_\_\_\_\_

Display, Lockable Latch, Control/Alarm breaker, SJE MilliAmpMaster™/pipe clamp