

EZ Series® - Single Phase Duplex

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 alternating action equalizes pump wear. In addition to the alternating pump control, this system provides override control should either pump fail.

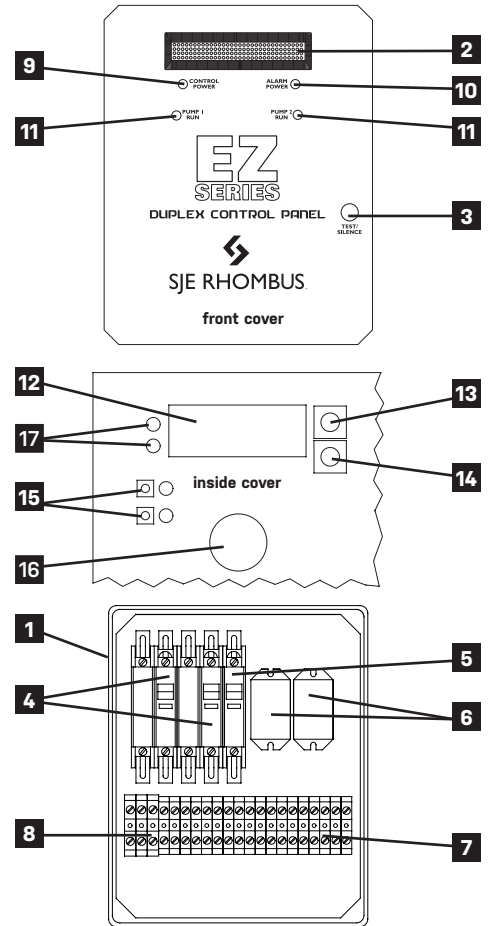
The EZ Series® duplex control panel features a backlit LCD display on the inside of the front cover for programming and system monitoring.

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** light illuminates if control power is present in panel.
10. **Alarm Power Indicator** light illuminates if alarm power is present in panel.
11. **Pump Run Indicators** will illuminate when pumps are called to run.
12. **Backlit LCD Display** shows system information including: pump elapsed time (hh:mm), pump events (cycles), and alarm condition (counts).
13. **Menu/Enter Button** used for viewing panel settings.
14. **Set/Change Button** used for programming panel settings.
15. **Pump 1 and Pump 2 Push To Run Momentary Switches** - Pump activates when pressed
16. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating). (Located inside panel on cover, not shown)
17. **Control and Alarm Power** - shorted condition indicators.

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' control switches or EZconnex® float system
- Complete with step-by-step installation instructions
- Five-year limited warranty



SJE RHOMBUS®

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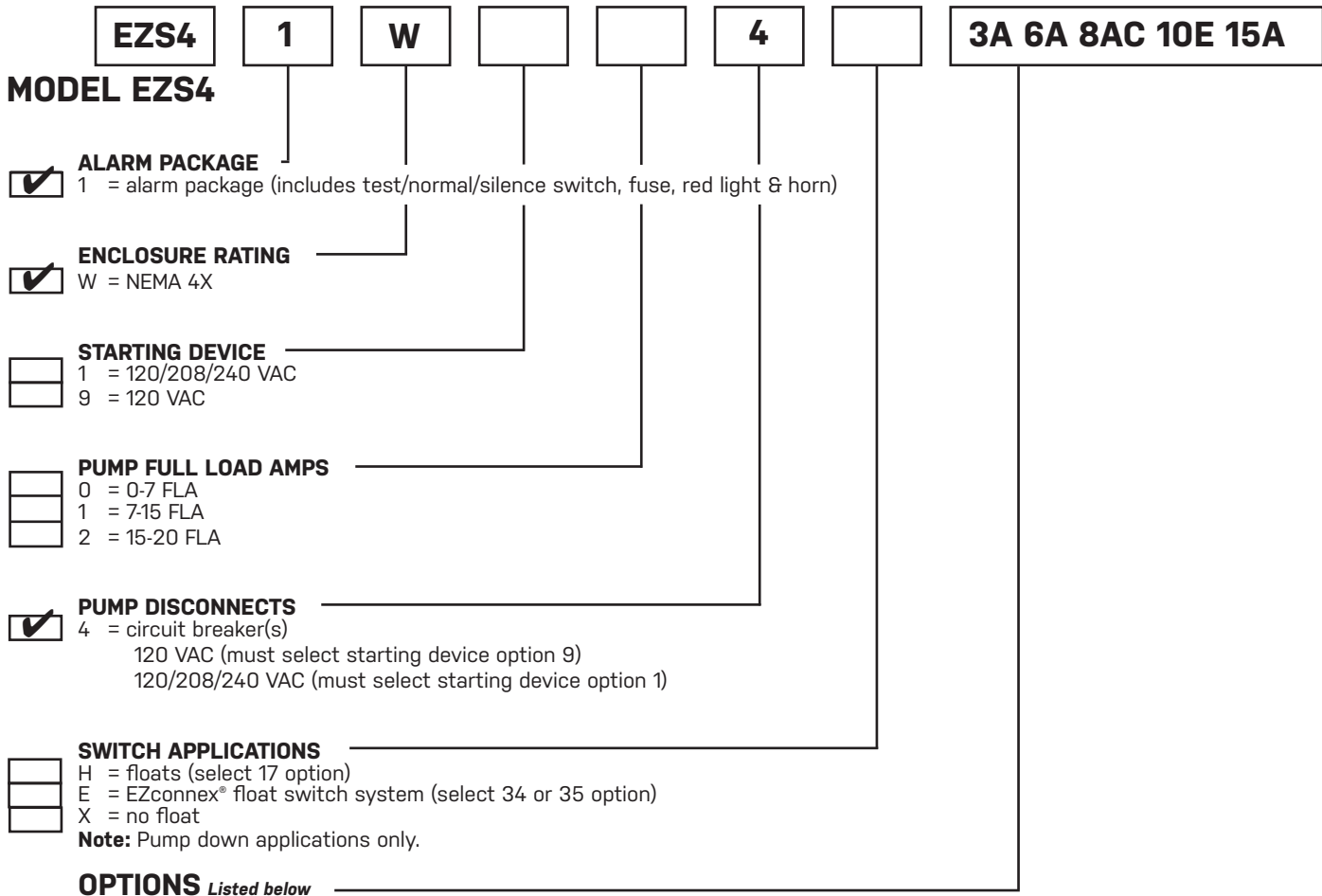
www.sjerhombus.com

B.3

California Prop 65 requires the following: WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

SEE REVERSE SIDE FOR ORDERING INFORMATION.

SEE PRICE BOOK FOR LIST PRICE.



- | CODE | DESCRIPTION |
|-------------------------------------|---|
| <input type="checkbox"/> | 1J Duo alarm inputs |
| <input checked="" type="checkbox"/> | 3A Alarm Flasher <i>(included as standard)</i> |
| <input checked="" type="checkbox"/> | 6A Auxiliary alarm contact, Form A <i>(included as standard)</i> |
| <input checked="" type="checkbox"/> | 8AC Display board includes: ETM counter, events (cycles) counter, alarm counter <i>(included as standard)</i> |
| <input checked="" type="checkbox"/> | 10E Lockable latch - NEMA 4X <i>(included as standard)</i> |
| <input type="checkbox"/> | 10P Mounting post <i>(factory installed with 2.5" cord seal)</i> |
| <input checked="" type="checkbox"/> | 15A Control / Alarm circuit breaker <i>(included as standard)</i> |
| <input type="checkbox"/> | 16A 10' cord in lieu of 20' <i>(per float)</i> |
| <input type="checkbox"/> | 16B 15' cord in lieu of 20' <i>(per float)</i> |
| <input type="checkbox"/> | 16C 30' cord in lieu of 20' <i>(per float)</i> |
| <input type="checkbox"/> | 16D 40' cord in lieu of 20' <i>(per float)</i> |
| <input type="checkbox"/> | 17C Sensor Float® / internally weighted ▲ <i>(per float)</i> |
| <input type="checkbox"/> | 17D Sensor Float® / externally weighted ▲ <i>(per float)</i> |
| <input type="checkbox"/> | 17G MilliAmpMaster™/ pipe clamp ● <i>(per float)</i> |
| <input type="checkbox"/> | 17H MilliAmpMaster™/ externally weighted ● <i>(per float)</i> |
| <input type="checkbox"/> | 17J Sensor Float® / pipe clamp ▲ <i>(per float)</i> |

- | CODE | DESCRIPTION |
|--------------------------|---|
| <input type="checkbox"/> | 19F Fourth float to separate alarm function from lag (demand dose float panel only) |
| <input type="checkbox"/> | 22G 2 1/2" hub installed with 6 hole cord seal |
| <input type="checkbox"/> | 34D EZconnex® 4-Port, 25', w/10' floats (3) /pipe clamp, sealing plug * |
| <input type="checkbox"/> | 34E EZconnex® 4-Port, 50', w/10' floats (3) /pipe clamp, sealing plug * |
| <input type="checkbox"/> | 34G EZconnex® 4-Port, 25', w/20' floats (3) /pipe clamp, sealing plug * |
| <input type="checkbox"/> | 34H EZconnex® 4-Port, 50', w/20' floats (3) /pipe clamp, sealing plug * |
| <input type="checkbox"/> | 35D EZconnex® 4-Port, 25' w/10' floats (4) /pipe clamp * |
| <input type="checkbox"/> | 35E EZconnex® 4-Port, 50' w/10' floats (4) /pipe clamp * |
| <input type="checkbox"/> | 35G EZconnex® 4-Port, 25' w/20' floats (4) /pipe clamp * |
| <input type="checkbox"/> | 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.