# EZ Series® - Single Phase Simplex

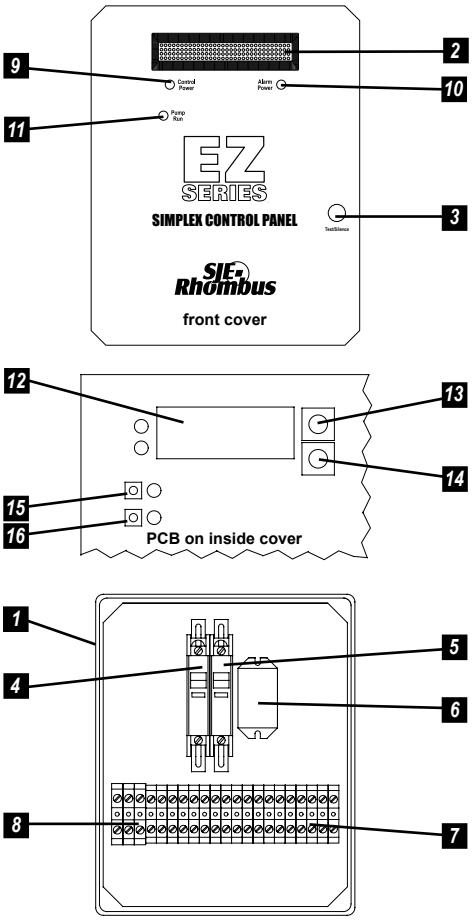
**Single phase, simplex demand dose or timed dose float controlled system for pump control and system monitoring.**

The EZ Series® simplex control panel is designed to control one 120, 208, 240 VAC single phase pump in water and sewage installations.

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

The panel configuration can be easily converted in the field to either a timed dose or demand dose.

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.




***Model Shown EZS21W914X6A8AC10E15A (Inside view)***

## PANEL COMPONENTS

1. **Enclosure** base measures 10 X 8 X 6 inches (25.4 X 20.32 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 Breaker** provides pump power disconnect and branch circuit protection.
5. **Circuit Breaker** provides control/alarm power disconnect.
6. **Power Relay** controls pump by switching electrical lines.
7. **Float Connection Terminal Block**
8. **Incoming Control/Alarm Power & Pump Power Terminal Block**
9. **Control Power Indicator** indicator light illuminates if control power is present in panel.
10. **Alarm Power Indicator** indicator light illuminates if alarm power is present in panel.
11. **Pump Run Indicator** will illuminate when pump is 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. **Pump 1 Push To Run Momentary Switch** - 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)

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

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:

  **Demand Dose** - three control switches

  **Timed Dose** - two control switches
- Available with EZconnex® float system
- Complete with step-by-step installation instructions
- Five-year limited warranty

**SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.**
**SEE PRICE BOOK FOR LIST PRICE.**

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| EZS | | 1 | W | | | 4 | | 3A 6A 8AC 10E 15A |
|---|---|---|---|---|---|---|---|---|

# MODEL EZS

**MODEL TYPE**
1 = SPLX TIMED DOSE
2 = SPLX DEMAND DOSE

**ALARM PACKAGE**
1 = alarm package (includes test/normal/silence switch, fuse, red light & horn)

**ENCLOSURE RATING**
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 (Timed dose = timer enable and alarm / Demand dose = stop, start, and alarm) (select 17 option)
E = EZconnex® float switch system (select 33,35 or 36 option)
(Timed dose)
(Demand dose)
X = no float
(Timed dose)
(Demand dose)
**Note:** Pump down applications only.

**OPTIONS** ***Listed below***

| CODE | DESCRIPTION |
|---|---|
| 1J | Duo alarm inputs |
| 3A | Alarm Flasher *(included as standard)* |
| 4A | Redundant off *(timed dose float panel only)* *(select 4D if floats are required)* |
| 4D | Redundant off float *(must select 4A option) (must select 17 option)* |
| 6A | Auxiliary alarm contact, form A *(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 with 2.5" cord seal)* |
| 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)* |
| 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 float (timed dose float panel only) |
| 22G | 2 1/2" hub installed with 6 hole cord seal |
| 33D | EZconnex® 3-Port, 25', w/10' floats (3) /pipe clamp ✱ |
| 33E | EZconnex® 3-Port, 50', w/10' floats (3) /pipe clamp ✱ |
| 33G | EZconnex® 3-Port, 25', w/20' floats (3) /pipe clamp ✱ |
| 33H | EZconnex® 3-Port, 50', w/20' floats (3) /pipe clamp ✱ |
| 35D | EZconnex® 4-Port, 25', w/10' floats (4) /pipe clamp ✱ *(timed dose only)* |
| 35E | EZconnex® 4-Port, 50', w/10' floats (4) /pipe clamp ✱ *(timed dose only)* |
| 35G | EZconnex® 4-Port, 25', w/20' floats (4) /pipe clamp ✱ *(timed dose only)* |
| 35H | EZconnex® 4-Port, 50', w/20' floats (4) /pipe clamp ✱ *(timed dose only)* |
| 36D | EZconnex® 3-Port, 25', w/10' floats (2) /pipe clamp, sealing plug ✱ |
| 36E | EZconnex® 3-Port, 50', w/10' floats (2) /pipe clamp, sealing plug ✱ |
| 36G | EZconnex® 3-Port, 25', w/20' floats (2) /pipe clamp, sealing plug ✱ |
| 36H | EZconnex® 3-Port, 50', w/20' floats (2) /pipe clamp, sealing plug ✱ |

● Mechanically-activated ▲ Mercury-activated ✱ EZconnex® mechanically-activated, narrow angle float switches with quick release connections.



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