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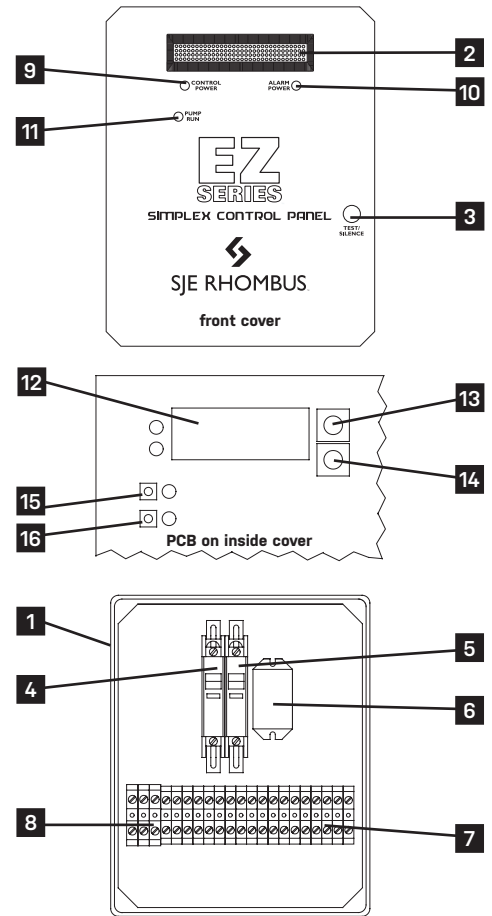
The panel configuration can be easily converted in the field to either a timed dose or demand dose.

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.

front cover

PCB on inside cover

**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.

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
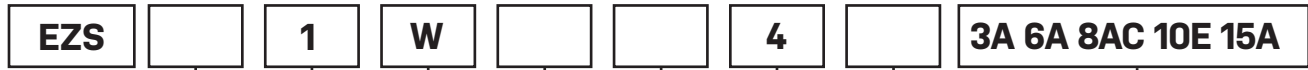
- Five-year limited warranty

SJE RHOMBUS™

PO Box 1708, Detroit Lakes, MN 56502
1-888-DIAL-SJE • 1-218-847-1317
1-218-847-4617 Fax
email: customer.service@sjeinc.com

SEE REVERSE SIDE FOR ORDERING INFORMATION.
SEE PRICE BOOK FOR LIST PRICE.

www.sjerhombus.com

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)*

CODE	DESCRIPTION
☐ 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.

B.2