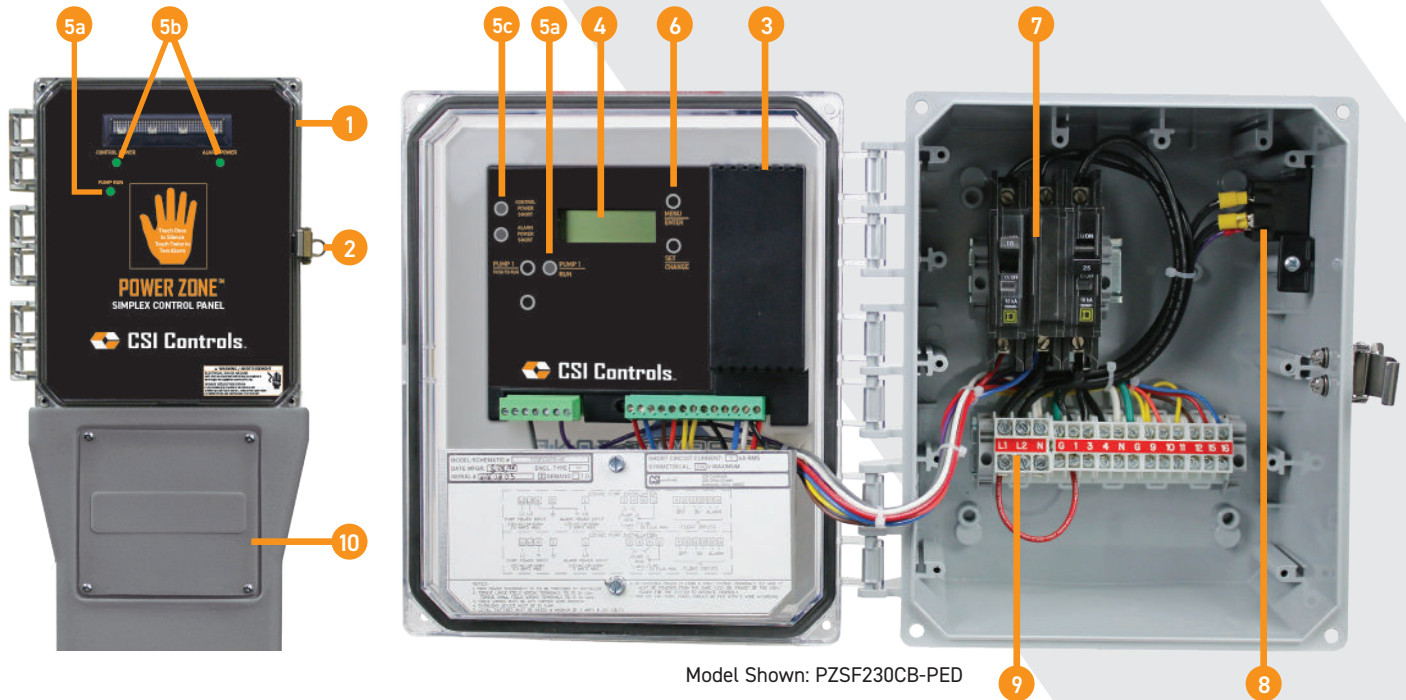


# Power Zone™ Single Phase Simplex

Single Phase Simplex Demand or Timed Dose Controlled System for Pump Control and System Monitoring



Model Shown: PZSF230CB-PED

The **Power Zone™ Single Phase Simplex** panel is designed to control one 115/230V single phase pump in water and sewage installations. The easy to read LCD display provides for simple menu navigation, site setup, and access to critical alarm events, pump run times, and pump cycle counts.

## FEATURES

- Float or 4-20mA continuous level sensing models
- 4-20mA model provides inputs for two float backup
- Digital backlit LCD for easy setup and system monitoring
- Field configurable for Demand or Timed Dose control
- Zero cross over sensing for extended motor relay life
- Exterior touch sensor for alarm silence and test
- Five-year limited warranty on panel
- Two-year limited warranty on 4-20mA transmitters



US Patent No.  
7,075,443; 7,151,459;  
7,224,283 and 7,557,722

## OPTIONS

- Auxiliary alarm and redundant off circuitry
- Heavy duty option increases circuit breaker and wire gauge to allow 16-20 amps
- Poly pedestal with access cover
- Float configurations

## COMPONENTS

1. NEMA 4X enclosure rated for indoor or outdoor use
2. Locking latch for added safety
3. Controller touch safe housing
4. Digital backlit LCD display; 2 lines, 16 characters per line
5. (a) Pump Run LEDs, (b) Control Power and Alarm Power LEDs, and (c) Control and Alarm Power Short LEDs
6. Menu/Enter & Set/Change buttons for programming and viewing control panel
7. Two circuit breakers: one for pump power; another for control and alarm power
8. Pump run relay controls pump by switching electrical lines
9. Terminal strip for field wiring of incoming power, floats and pump
10. Pedestal (optional) with easy access cover



**CSI Controls®**

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## POWER ZONE™ SIMPLEX FLOAT PANELS

Model	Max FLA	Description	Enclosure Type	Input Power Voltage Phase	Circuit Breakers
PZSF115CB	16	Power Zone Simplex Floats	NEMA 4x	115-1	Motor & Control
PZSF115ACB	16	Power Zone Simplex Floats	NEMA 4x	115-1	Motor, Control & Alarm
PZSF230CB	16	Power Zone Simplex Floats	NEMA 4x	230-1	Motor & Control
PZSF230ACB	16	Power Zone Simplex Floats	NEMA 4x	230-1	Motor, Control & Alarm
<b>Power Zone™ Simplex Transmitter 4-20mA</b>					
PZST115CB	16	Power Zone Simplex Transmitter	NEMA 4x	115-1	Motor & Control
PZST115ACB	16	Power Zone Simplex Transmitter	NEMA 4x	115-1	Motor, Control & Alarm
PZST230CB	16	Power Zone Simplex Transmitter	NEMA 4x	230-1	Motor & Control
PZST230ACB	16	Power Zone Simplex Transmitter	NEMA 4x	230-1	Motor, Control & Alarm
Options	Description				
FC20	(3) PZSF or (2) PZST 20 foot (6.1m) mechanical control switches / pipe clamp				
FC20CW	(3) PZSF or (2) PZST 20 foot (6.1m) mechanical control switches / cable weight				
FR20	(3) PZSF or (2) PZST 20 foot (6.1m) mercury control switches / pipe clamp				
FR20CW	(3) PZSF or (2) PZST 20 foot (6.1m) mercury control switches / cable weight				
FC30	(3) PZSF or (2) PZST 30 foot (9.1m) mechanical control switches / pipe clamp				
FC30CW	(3) PZSF or (2) PZST 30 foot (9.1m) mechanical control switches / cable weight				
FR30	(3) PZSF or (2) PZST 30 foot (9.1m) mercury control switches / pipe clamp				
FR30CW	(3) PZSF or (2) PZST 30 foot (9.1m) mercury control switches / cable weight				
FC50	(3) PZSF or (2) PZST 50 foot (15.2m) mechanical control switches / pipe clamp				
FC50CW	(3) PZSF or (2) PZST 50 foot (15.2m) mechanical control switches / cable weight				
FR50	(3) PZSF or (2) PZST 50 foot (15.2m) mercury control switches / pipe clamp				
FR50CW	(3) PZSF or (2) PZST 50 foot (15.2m) mercury control switches / cable weight				
HD	Heavy Duty - increases breakers and wire gauge to allow 16-20 Amps				
PED	Poly Pedestal with access door				
TC25	(1) CS4-20 transmitter 100 inWC with 25 foot cable (backup floats recommended, add float code option)*				
TC50	(1) CS4-20 transmitter 100 inWC with 50 foot cable (backup floats recommended, add float code option)*				
TS25	(1) SLX transmitter 16.7 ftWC with 25 foot cable (backup floats recommended, add float code option)*				
TS50	(1) SLX transmitter 16.7 ftWC with 50 foot cable (backup floats recommended, add float code option)*				
X	Auxiliary Alarm & Redundant Off Circuitry (control float not included)				

\*Only available for PZST panel models.

**SEE PRICE BOOK FOR LIST PRICE.**

## SPECIFICATIONS

**VOLTAGE SUPPLY:** Pump: 115 VAC or 230 VAC 50/60 Hz 1Ø  
Control/Alarm: 115 VAC 60 Hz 1Ø

**ENCLOSURE:** 10 x 8 x 6 inch (25.4 x 20.3 x 15.2 cm)  
NEMA 4X ultraviolet stabilized thermoplastic rated for indoor/outdoor use

**INNER DOOR:** molded thermoplastic

**LOCKING LATCH:** stainless steel, padlockable

**FLOAT CONTROL VOLTAGE:** 115 VAC

**MOTOR STARTER:** solid state power relay

**PUMP AMPS:** 0-16 Amps, 16-20 Amps

**ALARM HORN:** 83-85 decibel rating

**FLASHING RED LED ALARM LIGHT**



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