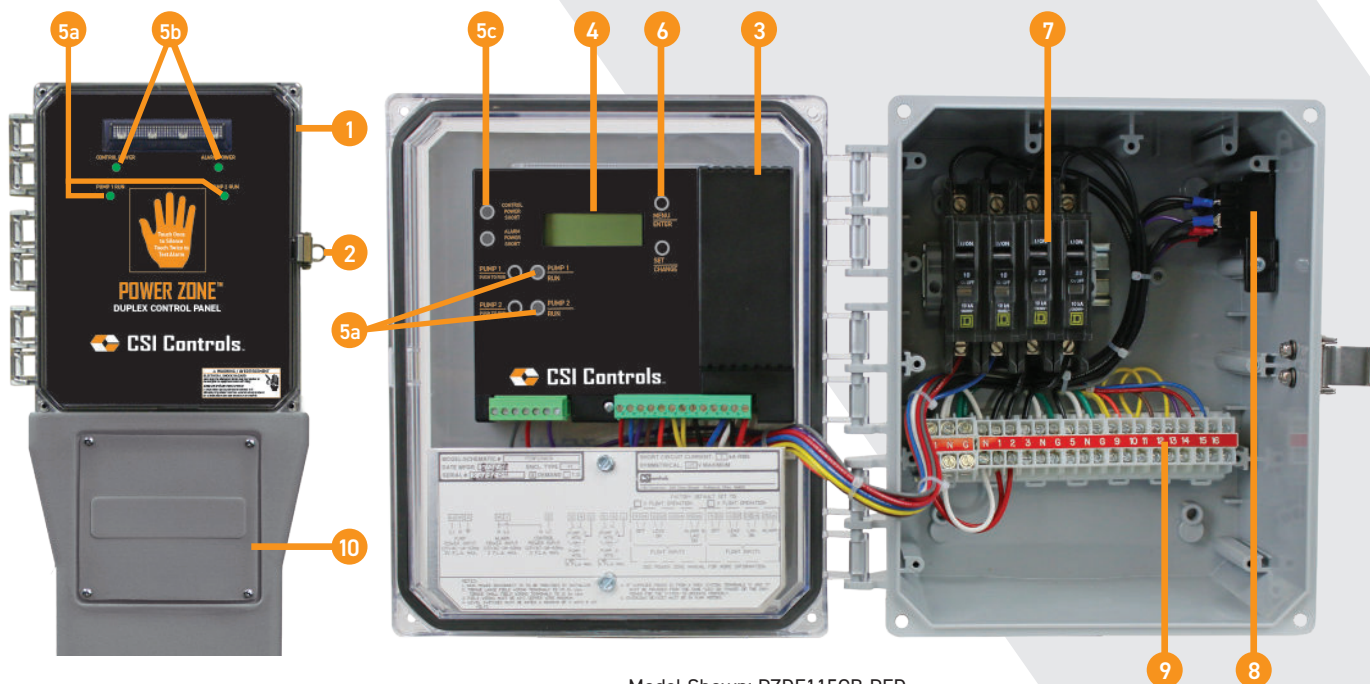


# Power Zone™ Single Phase Duplex

Single Phase Duplex Demand Controlled System for Pump Control and System Monitoring



Model Shown: PZDF115CB-PED

The **Power Zone™ Single Phase Duplex** panel is designed to control two 115/230V single phase pumps 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
- 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 relays control pumps by switching electrical lines
9. Terminal strip for field wiring or incoming power, floats and pumps
10. Pedestal (optional) with easy access cover



**CSI Controls®**

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## POWER ZONE™ DUPLEX FLOAT PANELS

Model	Max FLA	Description	Enclosure Type	Input Power Voltage Phase	Circuit Breakers
PZDF115CB	16	Power Zone Duplex Floats	NEMA 4x	115-1	Motor & Control
PZDF115ACB	16	Power Zone Duplex Floats	NEMA 4x	115-1	Motor, Control & Alarm
PZDF230CB	16	Power Zone Duplex Floats	NEMA 4x	230-1	Motor & Control
PZDF230ACB	16	Power Zone Duplex Floats	NEMA 4x	230-1	Motor, Control & Alarm
<b>Power Zone™ Duplex Transmitter 4-20mA</b>					
PZDT115CB	16	Power Zone Duplex Transmitter	NEMA 4x	115-1	Motor & Control
PZDT115ACB	16	Power Zone Duplex Transmitter	NEMA 4x	115-1	Motor, Control & Alarm
PZDT230CB	16	Power Zone Duplex Transmitter	NEMA 4x	230-1	Motor & Control
PZDT230ACB	16	Power Zone Duplex Transmitter	NEMA 4x	230-1	Motor, Control & Alarm
Options	Description				
FC20	(4) PZDF or (2) PZDT 20 foot (6.1m) mechanical control switches / pipe clamp				
FC20CW	(4) PZDF or (2) PZDT 20 foot (6.1m) mechanical control switches / cable weight				
FR20	(4) PZDF or (2) PZDT 20 foot (6.1m) mercury control switches / pipe clamp				
FR20CW	(4) PZDF or (2) PZDT 20 foot (6.1m) mercury control switches / cable weight				
FC30	(4) PZDF or (2) PZDT 30 foot (9.1m) mechanical control switches / pipe clamp				
FC30CW	(4) PZDF or (2) PZDT 30 foot (9.1m) mechanical control switches / cable weight				
FR30	(4) PZDF or (2) PZDT 30 foot (9.1m) mercury control switches / pipe clamp				
FR30CW	(4) PZDF or (2) PZDT 30 foot (9.1m) mercury control switches / cable weight				
FC50	(4) PZDF or (2) PZDT 50 foot (15.2m) mechanical control switches / pipe clamp				
FC50CW	(4) PZDF or (2) PZDT 50 foot (15.2m) mechanical control switches / cable weight				
FR50	(4) PZDF or (2) PZDT 50 foot (15.2m) mercury control switches / pipe clamp				
FR50	(4) PZDF or (2) PZDT 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 PZDT 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