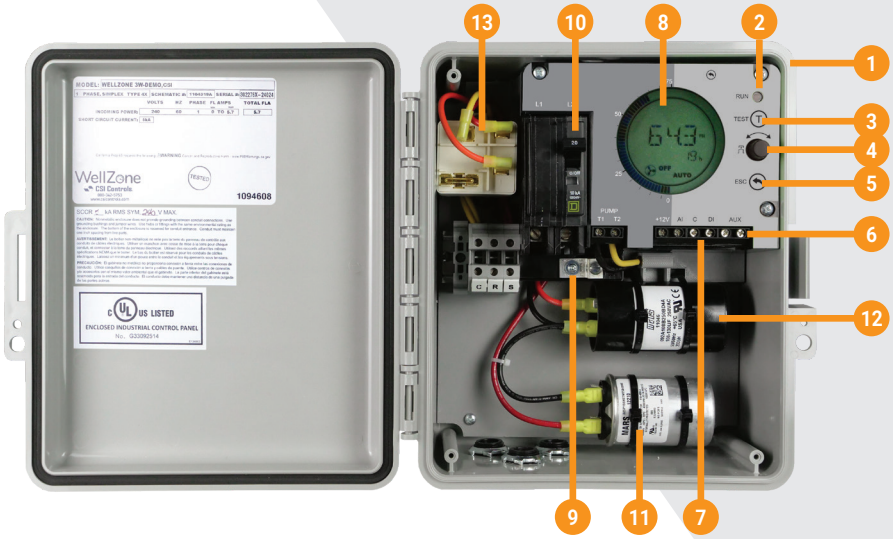
WellZone® Pressure Controller

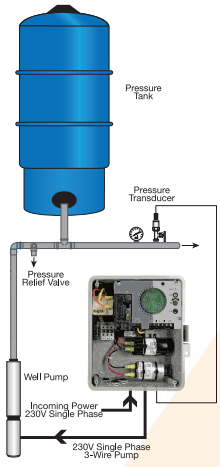
3-Wire Single Phase Well Pump Control Panel



The **WellZone®** digital controller provides pressure control for single phase 3-wire submersible well pump applications. It uses a 0-150 PSI pressure transducer to monitor the discharge pressure and turns the pump ON and OFF according to the adjustable Start and Stop setpoints. The LCD display allows for quick view of the system pressure, run status, hours run and pump cycles. The rotary button provides the user with a simple navigation method through the menu and program settings. It features built in pump protection including rapid cycling and dry run. It is preprogrammed to run the pump as the pressure drops below 40 PSI and stop as the pressure rises above 60 PSI. High & Low pressure settings are available with an auxiliary alarm relay.

FEATURES

- Includes a 0-150 PSI pressure transducer (No pressure switch needed)
- LCD display with bar graph
  - Pressure monitoring
  - Pump amps monitoring
  - Pump on monitoring
  - Pump Run Time
  - Pump Run Cycles
- Adjustable pressure set points
  - Start /Stop pressure set points
  - High /Low pressure alarms
- Advanced functions
  - Dry Run protection
  - Well recharge timer
  - Rapid cycle protection
  - Water filter replacement notification
  - Alarm history
- Five-year limited warranty on panel*
- Two-year limited warranty on pressure transducer



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COMPONENTS

1. NEMA 4X enclosure 10 x 8 x 4 inches (25.4 x 20.32 x 10.16 cm) for indoor or outdoor use with integral padlockable latch for added safety.
2. Pump run green LED indicator
3. Pump test switch for manual control of the pump
4. Menu rotary encoder/selector switch
5. Menu ESC button
6. Auxiliary alarm contacts
7. Digital input for optional floor sensor or float switch
8. LCD display
9. Ground lug
10. Circuit breaker
11. Run capacitor
12. Start capacitor
13. Start relay

***Note:** CSI Controls will warranty motor start kit components supplied by CSI Controls for one year.

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WELLZONE® 3-WIRE PRESSURE CONTROLLER

Part #	Description	HP	Volts	SFA	Shipping Weight
1105505	WellZone® 3W-050	.5	230	4.3	7.3
1105506	WellZone® 3W-075	.75	230	5.7	7.3
1105507	WellZone® 3W-100	1	230	8.1	7.3
1105508	WellZone® 3W-150	1.5	230	11.5	7.3
1105509	WellZone® 3W-200	2	230	13.2	7.3
1105510	WellZone® 3W-300	3	230	17.0	7.3

SEE PRICE BOOK FOR LIST PRICE.

SPECIFICATIONS

INPUT VOLTAGE: Single phase, 230 VAC, 60 Hz

PUMP RATINGS: Single phase, 3-wire (4-17 A) max.

OPERATING TEMPERATURE: 14°F to 122°F (-10°C to 50°C)

ENCLOSURE: 10 x 8 x 4 inch (25.4 x 20.32 x 10.16 cm)
Padlockable NEMA 4X (ultraviolet stabilized thermoplastic with integral mounting feet for outdoor or indoor use)

Includes liquid tight cable strain relief fittings:
- 1 x 1/2" + 1 x 3/4" UF cable strain relief
- 1 x 1/2" round cable strain relief

PRESSURE TRANSDUCER: 0-150 PSI (included) 1/4" NPT Male, NSF 61 rated,4-20mA, with 5m cable. Two-year limited warranty on pressure transducer.

AUXILIARY ALARM CONTACTS: N.O. 1 amp, 120 VAC Max

NOTE: This digital controller does not provide variable speed pump control and constant pressure operation.

ACCESSORIES (OPTIONAL)

WS360 Water Sensor

The WS360 water sensor, when connected to a WellZone® Pressure Controller, is designed to warn of potential water damage to end users. Place this sensor in any location where there is a risk of water damage: utility room, laundry, kitchen, bathroom, basement, etc. When water reaches any side, top or bottom of the 360° sensor, the WellZone® Pressure Controller will stop the pump and display the alarm fault "WATER SW". One-year limited warranty.

U.S. Patent No. 10,393,687

Part #	Description	Shipping Weight
1078433	360 degree water sensor with 20 ft. cable	0.26 lbs

Transducer Kit

This 0-150 PSI transducer provides continuous level monitoring. It measures the discharge pressure of the water at the sensor and outputs a standard 4-20mA signal proportional to the water pressure.

Part #	Description	Shipping Weight
1077481	Transducer with cable, 4-20mA, 0-150 PSI, bagged	0.5 lbs

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

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