

# MODEL TD Control Panel

## Single phase, simplex timed dosing pump control.

The Model TD control panel provides a reliable means of controlling one single phase pump in onsite septic installations. A programmable timer activates a magnetic motor contactor to turn the pump on and off. A low level cutout float overrides the timer to prevent the pump from running dry. An alarm float activates the audio/visual alarm system indicating a high liquid level. Common applications include sand filter systems, pressure distribution systems, mound systems, or any application requiring a timed dose.

## PANEL COMPONENTS

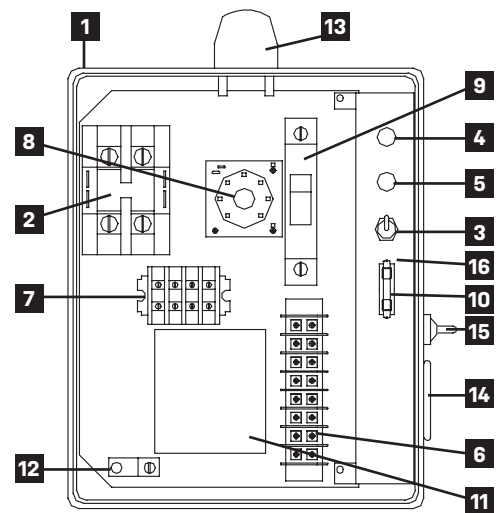
1. **Enclosure** measures 10 x 8 x 4 inches (25.40 x 20.32 x 10.16 cm) NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use).
2. **Magnetic Motor Contactor** controls pump by switching electrical lines.
3. **HOA Switch** for manual pump control.
4. **Control Fuse**
5. **Alarm Fuse**
6. **Float Switch Terminal Block**
7. **Incoming Power Terminal Block**
8. **Programmable Timer** with separate variable controls allows for setting the on and off times from .05 seconds to 30 hours.
9. **Circuit Breaker** provides pump disconnect and branch circuit protection.
10. **Spare Fuse**
11. **Backplate Label** includes diagram of float, pump, and power connections.
12. **Ground Lug**

**NOTE:** Timer Installation Label and Pump/Float Switch Installation Specification Label are located inside the panel on enclosure cover.

## STANDARD ALARM PACKAGE

13. **Red Alarm Beacon** provides 360° visual check of alarm condition.
14. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating).
15. **Exterior Alarm Test/Normal/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.
16. **Horn Silence Relay** (mounted under bracket).

**NOTE:** other options available.



Model Shown TD1W914X



## 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 two 20' float switches
- Available with EZconnex® float system
- Complete with step-by-step installation instructions
- Five-year limited warranty

## OPTIONAL FEATURE

- **34" (86.36cm) Panel Mounting Post** (Factory Installed). Includes Duplex Installation Kit (Enclosure upsized to 10" x 8" x 6" (25.4 x 20.32 x 15.24 cm). Max. Enclosure size 14" x 12" x 6" (35.56 x 30.48 x 15.24 cm)



**SJE RHOMBUS**

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1-218-847-4617 Fax

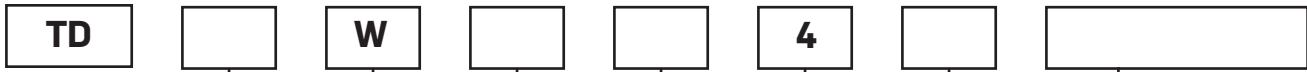
email: customer.service@sjeinc.com

[www.sjerrhombus.com](http://www.sjerrhombus.com)

**B.61**

California Prop 65 requires the following:  WARNING Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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



**MODEL TD**

**ALARM PACKAGE**

- 0 = select option (If you select "0", you must select option 1F)
- 1 = alarm package (includes test/normal/silence switch, red beacon, horn)

**ENCLOSURE RATING**

- W = Weatherproof, NEMA 4X (engineered thermoplastic)

**STARTING DEVICE**

- 1 = magnetic motor contactor 120/208/240V
- 9 = magnetic motor contactor 120V only

**PUMP FULL LOAD AMPS**

- 0 = 0-7 FLA
- 1 = 7-15 FLA
- 2 = 15-20 FLA

**PUMP DISCONNECTS**

- 4 = circuit breaker

**FLOAT SWITCH APPLICATION**

- H = Pump down (select 17 or 21 option)
- E = EZconnex® float switch system (select 33, 35 or 36 option, float options not applicable)
- X = no floats

**OPTIONS** *Listed below*

- | CODE                         | DESCRIPTION   |
|------------------------------|---|
| <input type="checkbox"/> 1F  | Door mounted alarm indicator with horn and test/normal/silence switch<br><i>(must select "0" as an alarm package)</i> |
| <input type="checkbox"/> 4B  | Red redundant off indicator and alarm<br><i>(must select option "4D" if floats included)</i>                          |
| <input type="checkbox"/> 4D  | Redundant off float   |
| <input type="checkbox"/> 4E  | Redundant off float, alarm activation<br><i>(20' SJE PumpMaster® SPDT)</i>  |
| <input type="checkbox"/> 6A  | Auxiliary alarm contact, Form A   |
| <input type="checkbox"/> 8A  | Elapsed time meter  |
| <input type="checkbox"/> 8C  | Event (cycle) counter   |
| <input type="checkbox"/> 10E | Lockable latch  |
| <input type="checkbox"/> 10K | Anti-condensation heater  |
| <input type="checkbox"/> 10P | Panel Mounting Post (Factory Installed. Includes Duplex Install. Kit)(Encl. upsized to 10x8x6.Max 14x12x6)            |
| <input type="checkbox"/> 16A | 10' cord in lieu of 20' <i>(per float)</i>  |
| <input type="checkbox"/> 16B | 15' cord in lieu of 20' <i>(per float)</i>  |
| <input type="checkbox"/> 16C | 30' cord in lieu of 20' <i>(per float)</i>  |
| <input type="checkbox"/> 16D | 40' cord in lieu of 20' <i>(per float)</i>  |
| <input type="checkbox"/> 17E | Sensor Float® Mini (redundant off, high level alarm)<br>▲ <i>(per float)</i>  |
| <input type="checkbox"/> 18A | Timer override float<br><i>(20' SJE PumpMaster®)</i> ●  |
| <input type="checkbox"/> 19X | Door mounted pump run indicator   |
| <input type="checkbox"/> 21E | SJE PumpMaster® (redundant off, high level alarm)<br>● <i>(per float)</i>   |

- | CODE                         | DESCRIPTION  |
|------------------------------|--|
| <input type="checkbox"/> 33U | EZconnex® 3-Port, 50', w/10' floats (3) / pipe clamp *               |
| <input type="checkbox"/> 35U | EZconnex® 4-Port, 50', w/10' floats (4) / pipe clamp *               |
| <input type="checkbox"/> 36E | EZconnex® 3-Port, 50', w/10' floats (2) / pipe clamp, sealing plug * |

● Mechanically-activated ▲ Mercury-activated  
\* EZconnex® mechanically-activated, wide angle float switches with quick release connections