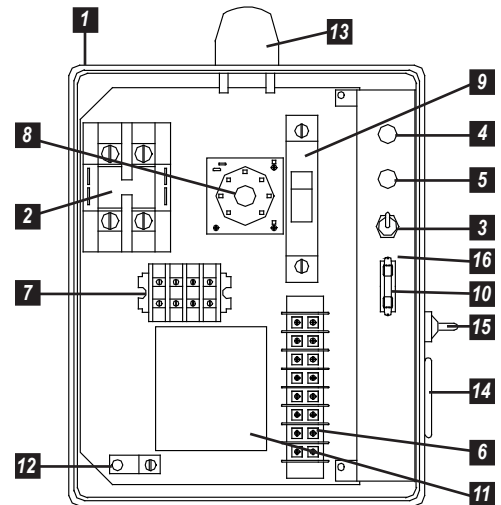# MODEL TD Control Panel

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)
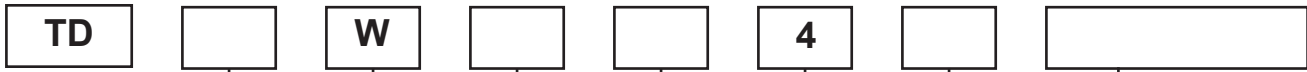
SJE RHOMBUS™

SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.
SEE PRICE BOOK FOR LIST PRICE.

TD		W			4		

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 = 20' low level cutout (select 17 or 21 option)
E = EZconnex® float switch system (select 33, 35 or 36 option)
X = no floats

OPTIONS *Listed below*

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

CODE	DESCRIPTION
33U	EZconnex® 3-Port, 50', w/10' floats (3) / pipe clamp ✳✳
35D	EZconnex® 4-Port, 25', w/10' floats (4) / pipe clamp ✳
35E	EZconnex® 4-Port, 50', w/10' floats (4) / pipe clamp ✳
35G	EZconnex® 4-Port, 25', w/20' floats (4) / pipe clamp ✳
35H	EZconnex® 4-Port, 50', w/20' floats (4) / pipe clamp ✳
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
✳✳ EZconnex® mechanically-activated, wide angle float switches with quick release connections.