

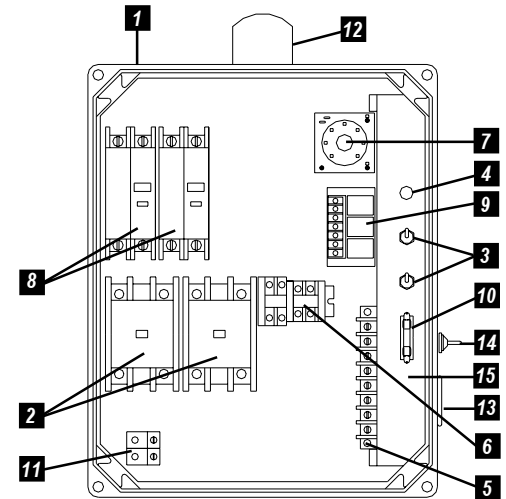
# MODEL DTD Control Panel

## Single phase, duplex timed dosing pump control.

The Model DTD control panel provides a reliable means of controlling two single phase 120, 208, or 240 VAC pumps in onsite septic installations. A programmable timer, in conjunction with an alternating circuit board, alternately activates the magnetic contactors to turn the pumps on and off and equalize pump wear. 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 timed dose control.

## PANEL COMPONENTS

1. **Enclosure** measures 14 x 12 x 6 inches (35.56 x 30.48 x 15.24 cm); NEMA 4X (ultraviolet stabilized thermoplastic with removable flanges for outdoor or indoor use).
2. **Magnetic Motor Contactors** control pumps by switching electrical lines.
3. **HOA Switches** for manual pump control.
4. **Control/Alarm Fuse**
5. **Float Switch Terminal Block**
6. **Incoming Power Terminal Block**
7. **Programmable Timer** with separate variable controls allows for setting the on and off times from .05 seconds to 30 hours.
8. **Pump Circuit Breakers** provides pump disconnects and branch circuit protection.
9. **Alternating Circuit Board** provide pump control and alternation (U.S. Patent 5,909,352).
10. **Spare Fuse**
11. **Ground Lugs**



Model Shown DTD1W104X

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

## STANDARD ALARM PACKAGE

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

NOTE: other options available.

## 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 one 20' SJE PumpMaster® pump switch and one 20' Sensor Float® control switch

- Complete with step-by-step installation instructions

- Three-year limited warranty



## PRICING/ORDERING INFORMATION

Model Number	Horsepower/ AC Voltage	Full Load Amps	List Price	Shipping Weight
DTD1W904H	1HP/120 VAC	0-7 FLA	\$1180.00	20 lbs.
DTD1W124H	2HP/120/208/240 VAC	15-20 FLA	\$1240.00	20 lbs.

SEE BACKSIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.



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**DTD**    **W**    **4**

**MODEL DTD** ..... \$1,180.00

- ALARMPACKAGE**
- 0 = select option (If you select "0", you must select option 1F) ..... - \$ 20.00
- 1 = alarm package (includes test/normal/silence switch, red beacon, horn) ..... Base
- ENCLOSURE RATING**
- W = Weatherproof, NEMA 4X (engineered thermoplastic) ..... Base
- STARTING DEVICE**
- 1 = magnetic motor contactor 120/208/240V ..... \$ 60.00
- 9 = magnetic motor contactor 120V only ..... Base
- PUMP FULL LOAD AMPS**
- 0 = 0-7 FLA ..... Base
- 1 = 7-15 FLA ..... Base
- 2 = 15-20 FLA ..... Base
- 3 = 20-30 FLA ..... \$ 50.00
- PUMP DISCONNECTS**
- 4 = circuit breaker ..... Base
- FLOAT SWITCH APPLICATION**
- H = 20' low level cutout (20' SJE PumpMaster®, gray), high level alarm float (20' Sensor Float®, black) ..... Base
- X = no floats ..... - \$ 60.00

**OPTIONS** *Listed below*

Total Options \_\_\_\_\_  
**TOTAL LIST PRICE** \_\_\_\_\_

**If additional features are required, call the factory for a quote on either a SJE-Rhombus Pro-Line or Engineered Custom control panel system.**

CODE	DESCRIPTION	LIST PRICE	CODE	DESCRIPTION	LIST PRICE
<input type="checkbox"/>	1F Door mounted alarm indicator with horn and test/normal/silence switch (must select "0" for alarm package)	\$30.00	<input type="checkbox"/>	10E Lockable latches	\$30.00
<input type="checkbox"/>	4B Redundant off, alarm activation, red indicator (must select option 4D if floats included)	\$90.00	<input type="checkbox"/>	10K Anti-condensation heater	\$100.00
<input type="checkbox"/>	4D Redundant off float (20' Sensor Float®)	\$25.00	<input type="checkbox"/>	16A 10' cord in lieu of 20' (per float)	- \$2.00
<input type="checkbox"/>	4E Redundant off float, alarm activation (20' SJE PumpMaster® SPDT)	\$40.00	<input type="checkbox"/>	16B 15' cord in lieu of 20' (per float)	- 1.00
<input type="checkbox"/>	6A Normally open dry auxiliary alarm contacts	\$50.00	<input type="checkbox"/>	16C 30' cord in lieu of 20' (per float)	\$ 5.00
<input type="checkbox"/>	8A Elapsed time meters	\$110.00	<input type="checkbox"/>	16D 40' cord in lieu of 20' (per float)	\$15.00
<input type="checkbox"/>	8C Event (cycle) counters	\$90.00	<input type="checkbox"/>	18A Timer override float (20' SJE PumpMaster®)	\$40.00
			<input type="checkbox"/>	19X Externally mounted pump run indicators	\$40.00
			<input type="checkbox"/>	21E SJE PumpMaster® in lieu of Sensor Float® (per float)	\$5.00

**SAMPLE**

<b>MODEL</b>	<b>DTD</b> <b>1</b> <b>W</b> <b>9</b> <b>1</b> <b>4</b> <b>H</b> <b>4E 18A</b>	LISTPRICE ..... \$1180.00
Alarm Package	1	1 ..... Base
Enclosure Rating	W	W ..... Base
Starting Device	9	9 ..... Base
Pump Full Load Amps	1	1 ..... Base
Pump Disconnect	4	4 ..... Base
Float Switch Application	H	H ..... Base
Option: Redundant off float, Timer override float	4E 18A	4E ..... \$40.00 18A ..... \$40.00
		<b>TOTAL LIST PRICE</b> \$1260.00