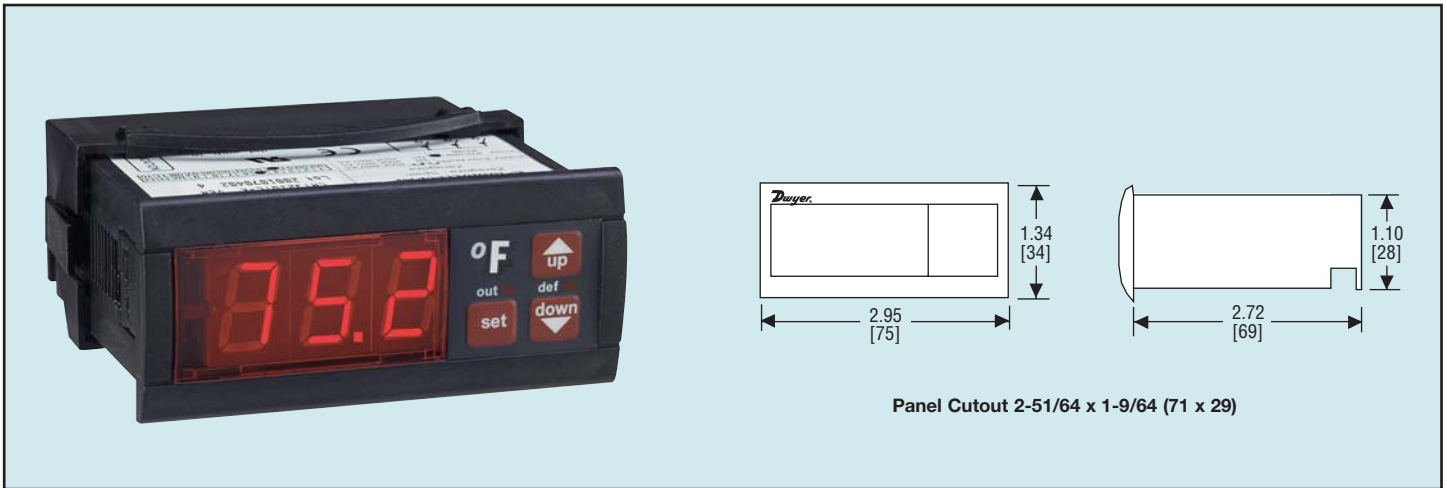




Series
TSD

Digital Temperature Switch

Heating/Cooling Control, Dual Probe Input, Alarm & Relay Output



Panel Cutout 2-51/64 x 1-9/64 (71 x 29)

The Series TSD is designed for applications requiring heating or cooling regulation. The unit includes two probes for temperature regulating and defrost control, an 8 (3) A SPDT relay output, alarm output and digital input.

The temperature switch features up to 48 programmable parameters. The user can define operational parameters such as set point, differential hysteresis, time delay, and cycle time via the 3-key tactile keypad. To simplify the programming task, 18 pre-set configurations can be activated by changing a single parameter. Access to all parameters, except the set point, is password protected.

The unit features local indication of the relay output and defrost status. View ambient or defrosting probe temperature on the bright red LED display. Error and alarm messages can be viewed on the display.

The Series TSD includes two probes, gasket, panel clip, snap-on terminal cover and instruction manual.

Accessories

- TS-5-Probe PVC, 5 ft (1.5 m) cable
- TS-51-Probe PVC, 10 ft (3 m) cable
- TS-6-Probe metal, 5 ft (1.5 m) cable
- TS-61-Probe metal, 10 ft (3 m) cable

SPECIFICATIONS

Probe Range: -58 to 302°F (-50 to 150°C).

Input: Two 1.5-inch (4 cm) thermistor (1000Ω @ 25°C) with 5-ft (1.5 m) cable.

Output: One 8 amp SPST relays @ 250 VAC, resistive; alarm 5mA @ 5 VDC.

Horsepower Rating (HP): 1/3 HP for 8 amp.

Control Type: On/Off.

Power Requirements: 110 VAC, 230 VAC or 12 VAC/DC.

Accuracy: ±0.5% of probe ranges.

Display: 3-Digit, Red, 1/2" digits.

Resolution: 0.1° (<100°); 1° (≥100°).

Memory Backup: Nonvolatile memory.

Ambient Operating Temperature: 32 to 158°F (0 to 70°C).

Storage Temperature: -4 to 176°F (-20 to 80°C).

Weight: 6.2 oz.

Front Panel Protection: NEMA 4X (IP65).

Agency Approvals: CE, UL, UL_R.

STOCKED MODELS in bold

Model	Description
TSD-10110	Dual Probe Input, Single Relay Output and Alarm (110 VAC, °F)
TSD-20110	Dual Probe Input, Single Relay Output and Alarm (230 VAC, °F)
TSD-21110	Dual Probe Input, Single Relay Output and Alarm (230 VAC, °C)