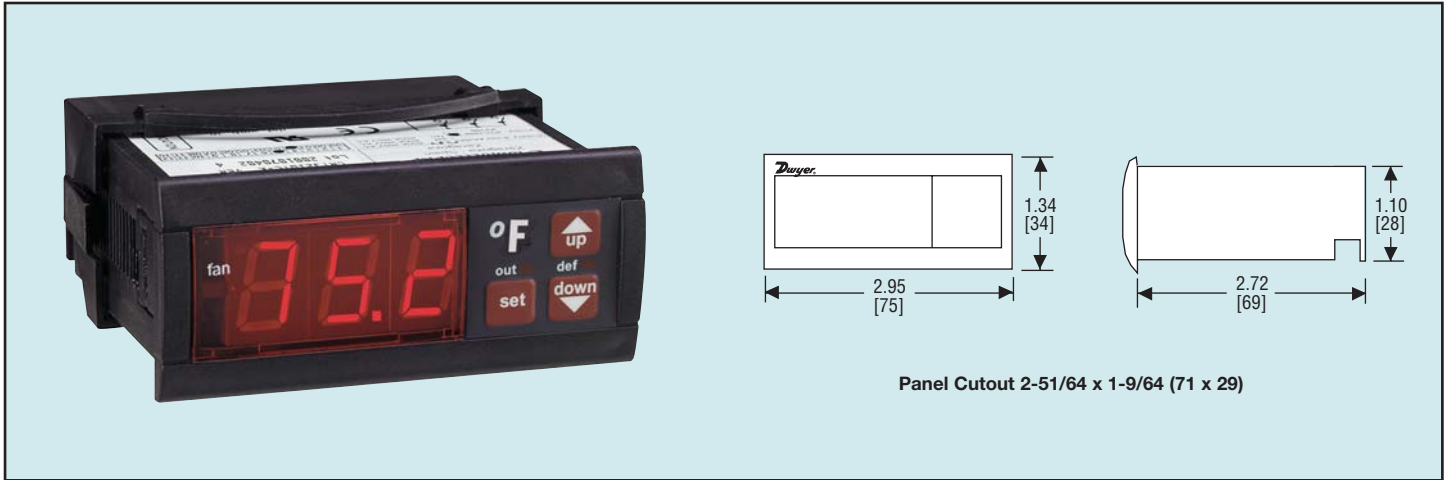




Series  
TST

# Digital Temperature Switch

## Compressor, Defroster & Fan Control, Two Probes



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

**Regulate a compressor, defroster and fan in refrigeration systems** using the Series TST Digital Temperature Switch. The unit features dual probe input, three SPST relays, alarm output, and digital input. The digital input can be configured to control fan and compressor activity or defrost synchronization.

The Series TST offers 48 programmable parameters to optimize system performance. Parameters are password protected for security. The user can define set point, regulation times, fan operation, alarms, compression cycling, drip time, and many more. The unit offers short cycling protection to avoid hard starts, overload voltages, and unnecessary equipment wear.

Dual probe input permits defrost termination by temperature. The ambient and defrosting probe temperature can be viewed on the 3-digit display. Relay, fan or defrost status is indicated by LEDs on the front of the unit. The Series TST includes two probes, mounting clip, gasket, rear 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

### STOCKED MODELS

Model	Description
TST-0110	Dual Probe Input, Triple Relay Output and Alarm (12 VAC, °F)
TST-1110	Dual Probe Input, Triple Relay Output and Alarm (12 VAC, °C)

### 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:** Three 8 amp SPST relays @ 250 VAC, resistive; alarm 20mA @ 12 VDC.

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

**Control Type:** On/Off.

**Power Requirements:** 8-15 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, ULc.

Temperature