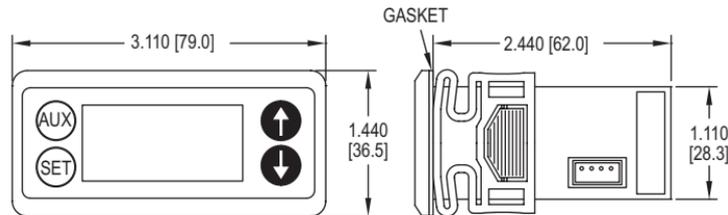


Dwyer

SERIES TST

DIGITAL TEMPERATURE SWITCH

Heating and Cooling Control, 16 Amp Rating



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

The **SERIES TST** Digital Temperature Switch is designed with many heating and cooling applications in mind. This low cost switch is simple to set up with one probe input and SPDT switch output. Programming performed using either the front keypad or through a TS2-K programming key.

FEATURES/BENEFITS

- Buzzer indicates probe/memory error or high/low temperature alarm conditions
- Capacitive buttons offer clean panel face design
- Modbus® communication protocol through TTL serial connection

APPLICATIONS

- Refrigeration
- Holding ovens
- Boilers
- Brewing systems

MODEL CHART	
Model	Supply Power
TST-011	115 VAC
TST-021	230 VAC
TST-031	12 VAC/VDC
TST-041	24 VAC/VDC

SPECIFICATIONS

Probe Range: PTC: -58 to 302°F (-50 to 150°C); NTC: -58 to 230°F (-50 to 110°C).

Input: PTC (1000 Ω @ 25°C) or NTC (10 KΩ @ 25°C) thermistor.

Output: SPDT relay rated 16 A @ 240 VAC resistive, 10 FLA, 60 LRA.

Horsepower Rating (HP): 1 HP.

Control Type: On/Off.

Power Requirements: 115 VAC, 230 VAC, 24 VAC/VDC, or 12 VAC/VDC.

Power Consumption: 4 VA @ 115/230 VAC; 1.5 VA @ 12/24 VAC/VDC.

Accuracy: ±1% FS.

Display: 3-digit, plus sign.

Resolution: 0.1°.

Memory Backup: Nonvolatile memory.

Ambient Temperature: 32 to 131°F (0 to 55°C).

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

Weight: 115 and 230 V models: 7.2 oz (204 g); 12 and 24 V models: 4.8 oz (136 g).

Front Panel Rating: IP65.

Agency Approvals: CE, cULus.

ACCESSORIES

See page reference 1 below.

Modbus® is a registered trademark of Schneider Automation, Inc.

1 Digital Temperature Switch Probes and Accessories: See page 138 (Series TS-Probes)