

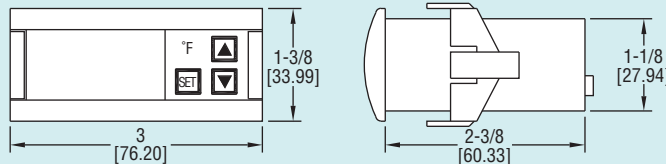
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TS

# Digital Temperature Switch

3-Digit Display, Heating/Cooling Control, 8 or 16 Amp Relay



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

The TS Digital Temperature Switch is designed to regulate many heating and cooling applications. Easy programming via the tactile front keypad enables quick setup of the 12 parameters for simple, reliable operation. The user can define set point, heating/cooling regulation, hysteresis, cycle time, ambient probe adjustment and defrosting time. The unit features error or alarm messaging and password protection. View probe temperature on the bright red, 3-digit LED display. Select between temperature display in °F or °C, and 110 VAC, 230 VAC, or 12 VDC power supplies. The Series TS includes a thermistor with 5 ft (1.5 m) cable, fitting clips for panel mounting, gasket, rear terminal cover, and instruction manual.

Model	Description
TS-13010	110V, 16A, °F
TS-13011	110V, 16A, °C
TS-13020	230V, 16A, °F
TS-13021	230V, 16A, °C
TS-13030	12 VAC/VDC, 16A, °F
TS-13031	12 VAC/VDC, 16A, °C

TS-13021 230V, 16A, °C

## SPECIFICATIONS

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

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

**Output:** 16A SPDT relay @ 250 VAC resistive.

**Horsepower Rating (HP):** 1 HP for 16A.

**Control Type:** ON/OFF.

**Power Requirements:** 110 VAC, 230 VAC or 12 VAC/VDC (depending on model). 4VA (230V).

**Accuracy:** ±1°C.

**Display:** 3-digit, red, 1/2" digits.

**Resolution:** 1°.

**Memory Backup:** Nonvolatile memory.

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

**Storage Temperature:** -40 to 176°F (-40 to 80°C).

**Front Panel Rating:** IP64.

**Agency Approvals:** CE, ULc, UL

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