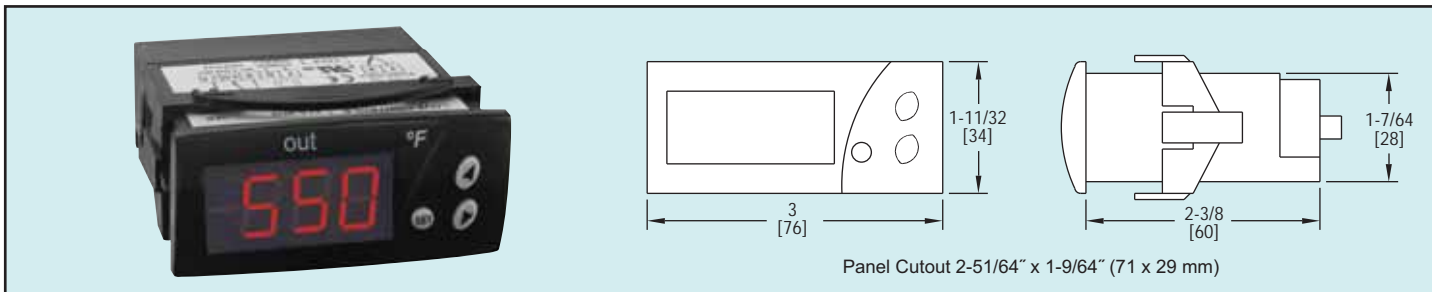




Series
TCS

Thermocouple Temperature Switch

Heating and Cooling Control, 16 Amp Rating, Two Alarms



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

Monitor and control temperature in heating and cooling applications with the Series TCS Thermocouple Switch. The Series TCS offers a wide temperature range, two selectable alarm sets, and an internal buzzer indicating alarm condition or error. The user can define set point, heating/cooling regulation, cycle time, alarm configuration, load status, and ambient probe adjustment. The thermocouple switch features password protection and error/alarm messaging. Temperature and output status is indicated on the bright red LED display. Use the configuration key (sold separately) to quickly program multiple units. The Series TCS includes a fitting clip for panel mounting, gasket, rear terminal cover and instruction manual.

SPECIFICATIONS

Probe Range: 0 to 700°C (32 to 999°F) for thermocouple J;
0 to 999°C (32 to 999°F) for thermocouples K, S.
Input: Type J or K thermocouple.
Output: 16A SPDT relay @ 250 VAC resistive.
Horsepower Rating (HP): 1 HP.
Control Type: ON/OFF.
Power Requirements: 110 VAC, 230 VAC, 12 VAC/VDC or 24 VAC/VDC (depending on model).

ACCESSORIES

TCS-J, J Type Thermocouple, 4" probe, 48" extension
TCS-K, K Type Thermocouple, 4" probe, 48" extension
TS2-K, Configuration Key

Accuracy: ±1% FS.

Display: 3-digit, red, 1/2" (12.7 mm) digits, plus sign.

Resolution: 1°.

Memory Backup: Nonvolatile memory.

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

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

Weight: 2.3 oz (65 g).

Front Panel Rating: IP64.

Agency Approvals: CE, UL, ULc.

Model	Description
TCS-4010	Type J/K/S input, 110V, °F
TCS-4011	Type J/K/S input, 110V, °C
TCS-4020	Type J/K/S input, 230V, °F
TCS-4021	Type J/K/S input, 230V, °C
TCS-4030	Type J/K/S input, 12 VAC/VDC, °F
TCS-4031	Type J/K/S input, 12 VAC/VDC, °C
TCS-4040	Type J/K/S input, 24 VAC/VDC, °F