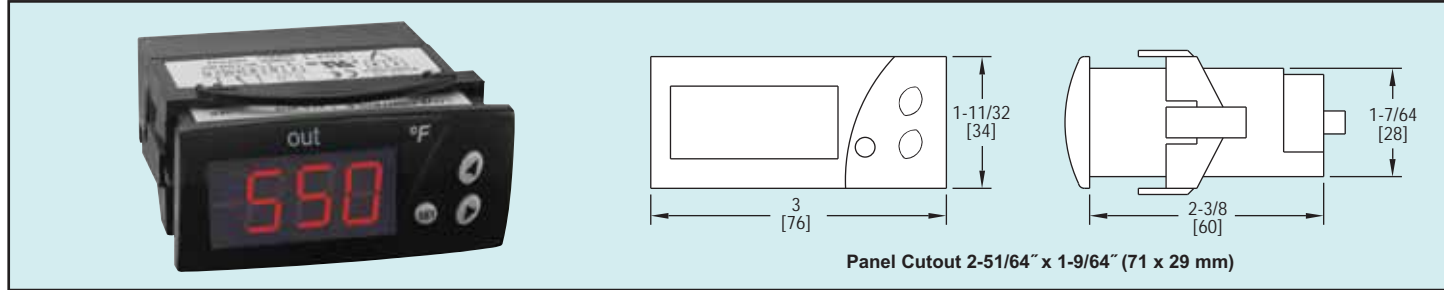




Series
TCS

Thermocouple Temperature Switch

Heating and Cooling Control, 16 Amp Rating, Two Alarms



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
TCS-4041	Type J/K/S input, 24 VAC/VDC, °C