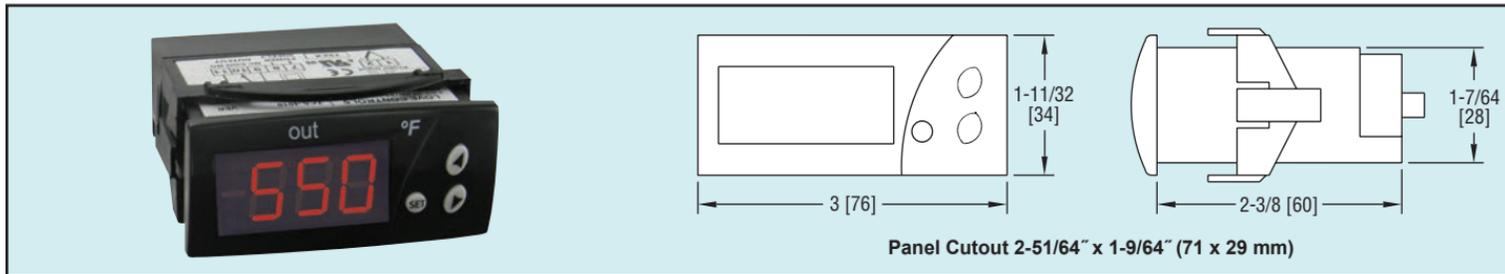


Series  
TCS

# 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.

Model	Supply Power	Unit
TCS-4010	115 VAC	°F
TCS-4011	115 VAC	°C
TCS-4020	230 VAC	°F
TCS-4021	230 VAC	°C
TCS-4030	12 VAC/VDC	°F
TCS-4031	12 VAC/VDC	°C
TCS-4040	24 VAC/VDC	°F

### SPECIFICATIONS

**Probe Range:** 32 to 999°F (0 to 700°C) for Type J thermocouple; 32 to 999°F (0 to 999°C) for Type K or S thermocouples.

**Input:** Type J, K or S thermocouple.

**Output:** SPDT relay rated 16A @ 240 VAC resistive.

**Horsepower Rating (HP):** 1 HP.

**Control Type:** ON/OFF.

**Power Requirements:** 115 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: - 4 to 176°F (-20 to 80°C).

**Weight:** 2.3 oz (65 g).

**Front Panel Rating:** IP64.

**Agency Approvals:** CE, cUR, UR.