

Thermocouple Temperature Switch

Heating & Cooling Control, 15 Amp Rating, Two Alarms

Monitor and control temperature for 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 sets and an internal buzzer indicating alarm condition or error. The user can define the 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°C to 700°C for thermocouple J. 0°C to 999°C for thermocouple K
- Input: Type J, K or SS thermocouples (depending on model)
- Output: 15A SPDT relay @ 250VAC resistive
- Horsepower rating (HP): 3/4 HP
- Control Type: ON/OFF
- Power Requirements: 110VAC, 230VAC or 12VAC/VDC (depending on model)
- Accuracy: +1% FS
- Display: 3-Digit, Red 12.7mm digits, plus sign
- Resolution: 1°
- Memory Backup: Nonvolatile memory
- Ambient Operating Temperature: -10°C to 55°C
- Storage Temperature: -20°C to 80°C
- Weight: 2.3oz (65g)
- Front Panel Rating: NEMA 4X (IP65)

Applications

TS Digital Temperature Switches are suitable for industrial chillers, environmental chambers, walk-ins and freezers, heat sealers, sterilisers, beer and wine chillers, coolers display cases and cabinets, meat and produce storage, floral preservation, refrigeration transportation, laboratories, food service equipment, ovens and dryers, tobacco preservation, cool rooms, burns-in rooms and chambers.

| Part No. | Description |
|----------|-------------------------------|
| TCS-4021 | Type J input, 230v, 0°C-700°C |
| TS4021 | Type K input, 230v, 0°C-999°C |

Other voltages on request.