The Series 40 Digital Temperature Switch accepts a variety of inputs to allow temperature measurement and set points up to 1999°F (1300°C). Observing the current status of the control is made easier with the 3½ digit, multi-color LED display that has an alarm, defrost and output symbols. When programming multiple units, a programming key is available to reduce set up time.

### ACCESSORIES

- **40X-K**, Configuration key
- **40T-40**
- **40T-20**
- **40T-10**
- **40M-40**
- **40M-20**
- **40M-10**

Monitor and control temperature in heating and cooling applications with the Series TCS Thermocouple Switch. The Series TCS offers a wide temperature range, selectable alarm sets, and an internal buzzer indicating alarm condition or error. The user can define set point, regulation, cycle time 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:**
- J T/C: -140 to 250°F (-100 to 120°C)
- K T/C: -140 to 1999°F (-100 to 1100°C)
- RTD: -320 to 1200°F (-200 to 650°C)
- PTC: -58 to 300°F (-50 to 150°C)
- NTC: -40 to 250°F (-40 to 110°C)

**Output:**
- 16A SPDT relay (max current allowed is 10A).

**Control Type:**
- ON/OFF.

**Power Requirements:**
- 12 to 24 VAC/VDC, 115 VAC or 230 VAC depending on model.

**Accuracy:** ±1% FS.

**Display:**
- 3½ digit display.

**Resolution:**
- 1°F.

**Memory Backup:**
- Nonvolatile memory.

**Ambient Temperature:**
- 32 to 121°F (0 to 55°C).

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

**Front Panel Rating:**
- IP 65.

**Agency Approvals:**
- CE, cUL, UL.

### THERMOCOUPLE/RTD INPUT MODELS

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Power</th>
<th>Model</th>
<th>Supply Power</th>
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</thead>
<tbody>
<tr>
<td>40T-10</td>
<td>115 VAC</td>
<td>40M-10</td>
<td>115 VAC</td>
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<tr>
<td>40T-20</td>
<td>230 VAC</td>
<td>40M-20</td>
<td>230 VAC</td>
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</tr>
<tr>
<td>40T-40</td>
<td>12-24 VAC/VDC</td>
<td>40M-40</td>
<td>12-24 VAC/VDC</td>
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### UNIVERSAL INPUT MODELS

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<tbody>
<tr>
<td>TCS-J, J Type Thermocouple, 4” probe, 48” extension</td>
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<td>TCS-2, Stainless Steel PTC Thermistor Probe</td>
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<td>TCS-3, Polyamide Resin Coated Brass PTC Thermistor Probe</td>
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<tr>
<td>TCS-4, Bead Type NPT Thermistor Probe</td>
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</table>

**Memory Backup:**
- Nonvolatile memory.

**Temperature Limits:**
- Ambient: 32 to 131°F (0 to 55°C).

**Ambient (max current allowed is 10A).**