**Construction Characteristics**

This line of highly reliable switches utilizes a snap-action bimetal disc electrically and thermally isolated from the switch. The contacts are normally closed and open on rise when surface or ambient temperature setpoint is reached. The circuit will remain open until the manual reset button is depressed at approximately 30% below its operating temperature. All models are 100% temperature tested and can be calibrated to your specification at the factory. Many popular settings are available from stock.

**Specifications**

**Electrical Ratings Type U:**
- 125 VAC, 15 Amps, Resistive
- 250 VAC, 10 Amps, Resistive
- 6,000 Cycles

**Inductive Load Ratings:**
- 120 VAC, 5.8FLA, 34.8LRA, 12 Amps
- 250 VAC, 2.9FLA, 17.4LRA
- 6,000 Cycles

**Operating Temp. Range:**
- 50 to 320°F (10 to 160°C)

**Differential:**
- 15 to 100°F (8 to 56°C)

**Environmental Temp.:**
- 32 to 350°F (0 to 177°C)

**Insulation Resistance:**
- 100M ohms or more (500 VDC megger)

**Circuit Resistance:**
- 50m ohms or less (initial value)

**Dielectric Strength:**
- 1,500 V AC / 1 minute

**Approvals:**
- UL, cUL, CSA

**Ordering Information**

Choose the **Part Number** of the 1/2" Thermostat from the tables on pages 13-82 and 13-83 that match the needs for your application.

We also offer other styles of 1/2" Thermostats with alternate setpoints. Consult Tempco for availability.

**Standard lead time is stock to 3 weeks.**

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**Typical Applications**

- ➤ Vacuum Cleaners
- ➤ Food Service Equipment
- ➤ Fireplaces
- ➤ Hot Plates
- ➤ Laboratory Applications

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**Standard Stock High Limit Manual Reset Thermostats**

<table>
<thead>
<tr>
<th>Open °F</th>
<th>Open °C</th>
<th>Mounting</th>
<th>Terminals</th>
<th>Dim A</th>
<th>TSTCO Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>150 ±10</td>
<td>65.6 ±5.6</td>
<td>Rotating Bracket</td>
<td>Vertical, 0.250 quick disconnect</td>
<td>N/A</td>
<td>TST-115-101</td>
</tr>
<tr>
<td>160 ±10</td>
<td>71.1 ±5.6</td>
<td>Surface Mount</td>
<td>Solder tabs</td>
<td>45°</td>
<td>TST-115-102</td>
</tr>
<tr>
<td>194 ±10</td>
<td>90.0 ±5.6</td>
<td>Surface Mount</td>
<td>Solder tabs</td>
<td>90°</td>
<td>TST-115-103</td>
</tr>
<tr>
<td>212 ±10</td>
<td>100.0 ±5.6</td>
<td>Rotating Bracket</td>
<td>Horizontal, 0.250 quick disconnect</td>
<td>N/A</td>
<td>TST-115-104</td>
</tr>
<tr>
<td>230 ±10</td>
<td>121.1 ±5.6</td>
<td>Surface Mount</td>
<td>Solder tabs</td>
<td>45°</td>
<td>TST-115-105</td>
</tr>
<tr>
<td>302 ±10</td>
<td>150.0 ±5.6</td>
<td>Surface Mount</td>
<td>Vertical, 0.250 quick disconnect</td>
<td>45°</td>
<td>TST-115-106</td>
</tr>
<tr>
<td>320 ±10</td>
<td>160.0 ±5.6</td>
<td>Surface Mount</td>
<td>Horizontal, 0.250 quick disconnect</td>
<td>45°</td>
<td>TST-115-107</td>
</tr>
</tbody>
</table>

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**Available from Stock**

**Note:** "Rotating Bracket" mounting indicates that the mounting holes can be rotated vs. the solder tabs and for "Surface Mount" they are fixed.

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**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)