The Series TS3 Digital Temperature Switch is the ideal control for on/off heating or cooling applications.

**FEATURES/BENEFITS**
- Field selectable °F or °C
- Real time clock
- HACCP alarm logging
- Configuration key

**APPLICATIONS**
- Refrigerators
- Chillers
- Food service equipment
- Medical sterilizers or equipment

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Supply Power</th>
<th># of Outputs</th>
<th>Display Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>TS3-50010</td>
<td>115 VAC</td>
<td>2</td>
<td>Blue</td>
</tr>
<tr>
<td>TS3-50020</td>
<td>230 VAC</td>
<td>2</td>
<td>Blue</td>
</tr>
<tr>
<td>TS3-50030</td>
<td>12 VAC/VDC</td>
<td>3</td>
<td>Blue</td>
</tr>
<tr>
<td>TS3-50040</td>
<td>24 VAC/VDC</td>
<td>3</td>
<td>Blue</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

- **Probe Range**: PTC: -58 to 302°F (-50 to 150°C); NTC: -58 to 230°F (-50 to 110°C).
- **Input**: PTC (1000Ω @ 25°C); NTC (10KΩ @ 25°C).
- **Output**: R1 SPDT relay resistive load 16 A, inductive load 10 FLA, 60 LRA @ 240 VAC.
- **Horsepower Rating**: 1HP @ 240 VAC.
- **Control Type**: On/off.
- **Power Requirement**: 115 VAC, 230 VAC, 12 VAC/VDC, 24 VAC/VDC (±10%) depending on model.
- **Power Consumption**: 3.6 VA (115/230/24 V), 1.5 VA (12 V).
- **Accuracy**: ±1% FS.
- **Display**: 3 digits plus sign.
- **Resolution**: 0.1°.
- **Memory Backup**: Non-volatile memory.
- **Ambient Temperature**: 32 to 131°F (0 to 55°C).
- **Weight**: 2.3 oz (65 g).
- **Front Panel Rating**: IP65 (NEMA 4X).
- **Agency Approvals**: CE, cURus.

The Series TSX3 Digital Refrigeration Temperature Switch was designed to control the compressor, fan, and defrost in refrigeration applications.

**FEATURES/BENEFITS**
- Field selectable °F or °C
- Real time clock
- HACCP alarm logging
- Configuration key
- 2 or 3 output models for complete refrigerator control
- 2 temperature sensor and 1 digital contact inputs

**APPLICATIONS**
- Refrigerators

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Supply Power</th>
<th># of Outputs</th>
<th>Display Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSX3-520122</td>
<td>115 VAC</td>
<td>2</td>
<td>Blue</td>
</tr>
<tr>
<td>TSX3-520222</td>
<td>230 VAC</td>
<td>2</td>
<td>Blue</td>
</tr>
<tr>
<td>TSX3-520322</td>
<td>12 VAC/VDC</td>
<td>2</td>
<td>Blue</td>
</tr>
<tr>
<td>TSX3-520422</td>
<td>24 VAC/VDC</td>
<td>2</td>
<td>Blue</td>
</tr>
<tr>
<td>TSX3-520132</td>
<td>115 VAC</td>
<td>3</td>
<td>Blue</td>
</tr>
<tr>
<td>TSX3-520232</td>
<td>230 VAC</td>
<td>3</td>
<td>Blue</td>
</tr>
<tr>
<td>TSX3-520332</td>
<td>12 VAC/VDC</td>
<td>3</td>
<td>Blue</td>
</tr>
<tr>
<td>TSX3-520432</td>
<td>24 VAC/VDC</td>
<td>3</td>
<td>Blue</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

- **Probe Range**: PTC: -58 to 302°F (-50 to 150°C); NTC: -58 to 230°F (-50 to 110°C).
- **Input**: PTC (1000Ω @ 25°C); NTC (10KΩ @ 25°C).
- **Output**: All models SPST NO relay resistive load 16 A, inductive load 5 A, 10 FLA, 60 LRA @ 240 VAC; dual output models also include 8 A resistive, 3 A inductive SPDT @ 240 VAC; three output models also include 8 A resistive SPST NO @ 240 VAC, 5 A resistive SPST NO @ 240 VAC.
- **Horsepower Rating**: 1HP @ 240 VAC.
- **Control Type**: On/off.
- **Power Requirement**: 115 VAC, 230 VAC, 12 VAC/VDC, 24 VAC/VDC (±10%) depending on model.
- **Power Consumption**: 3.6 VA (115/230/24 V), 1.5 VA (12 V).
- **Accuracy**: ±1% FS.
- **Display**: 3 digits plus sign.
- **Resolution**: 0.1°.
- **Memory Backup**: Non-volatile memory.
- **Ambient Temperature**: 32 to 131°F (0 to 55°C).
- **Weight**: 2.3 oz (65 g).
- **Front Panel Rating**: IP65 (NEMA 4X).
- **Agency Approvals**: CE, cURus.