Monitor and control temperature for heating and cooling applications with the Series TS2 Digital Temperature Switch. The Series TS2 offers twelve programmable functions to customize the unit to fit application requirements. Use the 16 (5) Amp SPDT relay output to drive a motor, compressor, or fan. Designed with the OEM in mind, the TS2 offers the ability to configure multiple units with the touch of a button. Programming multiple units is quick and easy. Simply program one switch with the desired parameter settings and configure the configuration key (sold separately) to the back of the unit. Press the button on the configuration key and download the parameter settings. Connect the key to the other switches to upload the stored settings with the push of a button. The TS2 features set point adjustments, static defrost timing, compressor mean time, hysteresis, and ambient probe adjustment. Security protection is offered using a password code. The Series TS2 Digital Temperature Switches are designed to operate with PTC (1000Ω @ 25°C) probes sold separately.

**Specifications**
- **Probe Range:** -58 to 302°F (-50 to 150°C).
- **Input:** PTC thermistor (1000Ω @ 25°C).
- **Output:** 16A SPDT relay @ 250 VAC, resistive; 5A inductive.
- **Horsepower Rating (HP):** 1 HP.
- **Control Type:** ON/OFF.
- **Power Requirements:** 110 VAC, 230 VAC, 12 VAC/VDC or 24 VAC/VDC.
- **Accuracy:** ±1% FS.
- **Display:** 3-digit, red, 1/2˝ digits.
- **Resolution:** 1°.
- **Memory Backup:** Nonvolatile memory.
- **Temperature Limit:** Ambient: 32 to 158°F (0 to 70°C).
- **Storage Temperature:** -4 to 176°F (-20 to 80°C).
- **Dimensions:** 3 x 1-27/64 x 2-7/16 in.
- **Weight:** 2.3 oz (65 g).
- **Agency Approvals:** CE, cUR, UR.

**Accessories**
See Series TS probes

<table>
<thead>
<tr>
<th>Model</th>
<th>Voltage Supply</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>TS2-010</td>
<td>110 VAC</td>
<td>°F</td>
</tr>
<tr>
<td>TS2-011</td>
<td>110 VAC</td>
<td>°C</td>
</tr>
<tr>
<td>TS2-020</td>
<td>230 VAC</td>
<td>°F</td>
</tr>
<tr>
<td>TS2-030</td>
<td>12 VAC/VDC</td>
<td>°F</td>
</tr>
<tr>
<td>TS2-040</td>
<td>24 VAC/VDC</td>
<td>°F</td>
</tr>
<tr>
<td>TS2-041</td>
<td>24 VAC/VDC</td>
<td>°C</td>
</tr>
</tbody>
</table>

**Dual Stage Temperature Switch**
Two Independent Relay Outputs, Heating or Cooling Control

Regulate temperatures for heating or cooling control with the Series TSS2 Dual Stage Temperature Switch. The Series TSS2 is designed to accept two inputs with independent relay output for dual stage temperature control. The Series TSS2 offers 34 programmable parameters to customize control functions. Access to all parameters, except setpoint, can be secured with a password code.

**Specifications**
- **Probe Range:** -58 to 302°F (-50 to 150°C).
- **Input:** PTC thermistor (1000Ω @ 25°C).
- **Outputs:** One 16A SPDT relay @ 250 VAC, resistive; One 8A SPDT relay @ 250 VAC resistive.
- **Horsepower Rating (HP):** 1 HP.
- **Power Requirements:** 110 VAC, 230 VAC, 12 VAC/VDC or 24 VAC/VDC depend on model.
- **Accuracy:** 1% of full-scale.
- **Display:** 3-digit, red LED.
- **Resolution:** 0.1° (< 100°); 1° (≥ 100°).
- **Memory Backup:** Nonvolatile memory.
- **Temperature Limit:** Ambient: 32 to 158°F (0 to 70°C).
- **Storage Temperature:** -4 to 176°F (-20 to 80°C).
- **Dimensions:** 3 x 1-27/64 x 2-7/16 in.
- **Front Panel Rating:** IP64.
- **Weight:** 2.3 oz (65 g).
- **Agency Approvals:** CE, cUR, UR.

**Accessories**
See Series TS probes

<table>
<thead>
<tr>
<th>Model</th>
<th>Unit</th>
<th>Voltage Supply</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSS2-2100</td>
<td>°F</td>
<td>115 VAC</td>
</tr>
<tr>
<td>TSS2-2300</td>
<td>°F</td>
<td>12 VAC/VDC</td>
</tr>
<tr>
<td>TSS2-2400</td>
<td>°F</td>
<td>24 VAC/VDC</td>
</tr>
<tr>
<td>TSS2-2110</td>
<td>°C</td>
<td>115 VAC</td>
</tr>
<tr>
<td>TSS2-2210</td>
<td>°C</td>
<td>230 VAC</td>
</tr>
</tbody>
</table>