Precision SERIES RTD (Resistance Temperature Detector) offers excellent accuracy and stability over a wide temperature range. Industry standard 3-wire 100 Ω (DIN) probes are available in 6” (15 cm), 12” (30.5 cm), or 18” (46 cm) sheath lengths with 30” (76 cm) extension cable and spade lug terminals.

FEATURES/BENEFITS
- 304 stainless steel sheath
- High temperature rating

APPLICATIONS
Air ducts, bearing temperature, oil temperature indicator, soldering equipment, ovens, environmental test chambers, pharmaceutical mfg., food processing, plastic molding, petroleum & chemical processing, electric generating plants, etc.

SPECIFICATIONS
- Sensor Type: Wire wound, 100 Ω.
- Temperature Range: -328 to 1202°F (-200 to 650°C).
- Pressure Limits: 250 psig (17.2 bar).
- Probe Material: 316 SS.
- Extension Length: 30” (76 cm).
- Standard: DIN .00385 (class B, 0.12%).

MODEL TLVT1
DIGITAL TOUCH SCREEN PROGRAMMABLE THERMOSTAT WITH HEAT PUMP CONTROL
5 Control Modes, Large LCD Display

The MODEL TLVT1 Digital Touch Screen Programmable Thermostat with Heat Pump simplifies controlling indoor temperatures in commercial and residential buildings. A large easy to read LCD display shows the current temperature, set point, as well as time and day of the week.

FEATURES/BENEFITS
- Weekday and weekend programs; 4 events per day
- Large touch LCD display
- Two-stage heating and cooling control
- Security code setting protection
- Filter and energy use timers

APPLICATIONS
- Commercial or residential indoor temperature control

SPECIFICATIONS
- Range: Measurement: 32 to 99°F (0 to 40°C); Adjustment: 41 to 95°F (5 to 35°C).
- Accuracy: ±1°F (0.5°C).
- Sensor Type: NTC thermistor.
- Resolution: 1°F (0.5°C).
- Power Requirements: (2) AA alkaline batteries, not included.
- Output: 1 A @ 24 VAC 50/60 Hz.
- Temperature Limits: Operating: 32 to 122°F (0 to 50°C); Storage: 23 to 122°F (-5 to 50°C).
- Weight: 10 oz (283.5 g).
- Agency Approvals: RoHS.

ACCESSORIES
<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TG-1</td>
<td>Large thermostat cover</td>
</tr>
<tr>
<td>TG-2</td>
<td>Small thermostat cover</td>
</tr>
</tbody>
</table>

MODEL CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTD-686</td>
<td>6” (15 cm)</td>
</tr>
<tr>
<td>RTD-646</td>
<td>6” (15 cm)</td>
</tr>
</tbody>
</table>