The **Series BTT Temperature Transmitters** offer transmitter output signals with the same form and fit as our popular TE thermistor and RTD sensors for building HVAC applications. Thermowells are required when using immersion models in liquid applications.

**FEATURES/BENEFITS**
- Duct, immersion, and outside air models available
- Radiation shield available for mounting in direct sunlight
- Transmitter output allows for longer wire runs than standard thermistor sensors

**APPLICATIONS**
- Building automation system temperature monitoring

**MODEL CHART**

<table>
<thead>
<tr>
<th>Example</th>
<th>BTT</th>
<th>-D</th>
<th>04</th>
<th>-1</th>
<th>BTT-D04-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Series</td>
<td>BTT</td>
<td></td>
<td></td>
<td></td>
<td>Temperature transmitter</td>
</tr>
<tr>
<td>Mounting Configuration</td>
<td>D</td>
<td>I</td>
<td>O</td>
<td>R</td>
<td>Duct mount</td>
</tr>
<tr>
<td>Probe Length*</td>
<td>25</td>
<td>04</td>
<td>06</td>
<td>08</td>
<td>12</td>
</tr>
<tr>
<td>Output</td>
<td>1</td>
<td>2</td>
<td>4 to 20 mA</td>
<td>0 to 10 V</td>
<td></td>
</tr>
<tr>
<td>Options</td>
<td>Blank</td>
<td>FC</td>
<td>NIST</td>
<td>Factory calibration certificate</td>
<td>None</td>
</tr>
</tbody>
</table>

*For BTT-I models, actual probe length is approximately 0.75˝ longer than listed probe length to ensure maximum immersion into thermowells.

**SPECIFICATIONS**

- Temperature Sensor: Pt1000 RTD.
- Range: -40 to 140°F (-40 to 60°C).
- Temperature Limits: Operating: -40 to 302°F (-40 to 150°C).
- Accuracy: ±0.5°C @ 25°C.
- Thermal Effect: ±0.01%/°C.
- Response Time: 100 ms.
- Wetted Materials: All models: 304 SS (probe), polycarbonate (housing); Duct and immersion models: Neoprene (gasket); Outside air models: Nylon (insert), silicone (O-ring).
- Process Connection: 1/2˝ NPT (immersion models only).
- Electrical Connection: Removable terminal block, knockouts for conduit fitting.
- Conduit Connection: 1/2˝ NPT.
- Probe Lengths: 2.5 to 18˝ (depending on configuration).
- Power Requirements: 13 to 36 VDC for current models, 13 to 36 VDC or 16 to 28 VAC for voltage models.
- Output Signal: 4 to 20 mA or 0 to 10 VDC (depending on model).
- Agency Approvals: CE.