The Series TE Duct and Immersion Building Automation Temperature Sensors can be used to monitor air or water temperature throughout a building management system or an air handler unit. Duct or immersion options available with or without an enclosure.

**FEATURES/BENEFITS**
- Easy to mount external tab housing and flange options for duct applications
- 1/4 turn housing cover with chain to prevent dropping
- Multiple conduit knockouts for easy installation positioning
- 8’ plenum rated cable option
- Terminal connector eliminates need for wire nuts

**APPLICATIONS**
- Building automation
- VAV temperature sensing
- Chiller or boiler loops
- AHU monitoring

**SPECIFICATIONS**
- **Accuracy:** Thermostat temperature sensor: ±0.22°C @ 25°C (±0.4°F @ 77°F); RTD temperature sensor: DIN class A: ±0.15°C @ 0°C (±0.28°F @ 32°F).
- **Temperature Limits:** Operating: -40 to 302°F (-40 to 150°C).
- **Sensor Curves:** See page reference below.
- **Cable Rating:** Plenum option includes UL listed plenum cable.
- **Housing Material:** Meets UL, 94 V-O polycarbonate plastic.
- **Housing Rating:** NEMA 4X (IP66) (DFW, IBW only).
- **Weight:** 5.3 oz (150.3 g).
- **Agency Approvals:** Meets the technical requirements of EU Directive 2011/65/EU (RoHS II).

**MODEL CHART**

<table>
<thead>
<tr>
<th>Example</th>
<th>TE-DFN-A</th>
<th>4</th>
<th>04</th>
<th>12</th>
<th>TE-DFN-A0448-00</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Series</strong></td>
<td><strong>TE</strong></td>
<td><strong>Temperature sensor</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Mounting Configuration</strong></td>
<td>DFN</td>
<td>DFG</td>
<td>DFW</td>
<td>IBN</td>
<td>IBG</td>
</tr>
<tr>
<td><strong>Sensor Type</strong></td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
<td>E</td>
</tr>
<tr>
<td><strong>Probe Length</strong></td>
<td>25</td>
<td>04</td>
<td>06</td>
<td>08</td>
<td>12</td>
</tr>
<tr>
<td><strong>Probe Diameter</strong></td>
<td>4</td>
<td>1/4</td>
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<tr>
<td><strong>Termination</strong></td>
<td>4</td>
<td>4 leads with spade connectors</td>
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<td></td>
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<tr>
<td><strong>Fittings</strong></td>
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<td>None (probe only)</td>
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</tr>
</tbody>
</table>

Resistance vs. Temperature Table: See page 162 (Series TE-OND/RND/OSA)