**SERIES TS-PROBES**

**DIGITAL TEMPERATURE SWITCH PROBES & ACCESSORIES**

Probes to be used with TS2, TSS2, TSWB, TSW, TS3, TSX3, and 40M

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**FEATURES/BENEFITS**
- • Automatic and manual reset
- • Easy installation and wiring
- • Set point safety-lock protection and simple adjustment
- • Joint spring protector at capillary-bellow connection
- • Vapor-filled copper capillary sensing element

**APPLICATIONS**
- • HVAC equipment
- • Heat exchangers and cooling coils

**SPECIFICATIONS**

**SENSORS**
- Sensor: See model chart.

**OPERATING TEMPERATURE**
- PTC or NTC: -58 to 221°F (-50 to 105°C); J-type: 32 to 1400°F (0 to 760°C); K-type: 32 to 2300°F (0 to 1200°C).

**CAPILLARY**
- Cable: PTC and NTC models: PVC; J-type and K-type models: FEP.

**ACCESSORIES**

**SERIES DFS2**

**LOW LIMIT FREEZE PROTECTION SWITCH**

Manual and Automatic Reset

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**FEATURES/BENEFITS**
- • Vapor-filled copper capillary sensing element
- • Joint spring protector at capillary-bellow connection
- • Set point safety-lock protection and simple adjustment
- • Easy installation and wiring
- • Automatic and manual reset

**APPLICATIONS**
- • HVAC equipment
- • Heat exchangers and cooling coils

**SPECIFICATIONS**

**SENSING ELEMENT**
- Vapor-filled capillary.

**OPERATING TEMPERATURE**
- 14°F to 54°F (-10°C to 12°C). Max. 14 AWG.

**CAPILLARY OVERLOAD TEMPERATURE**
- 392°F (200°C), maximum 60 minutes.

**HUMIDITY LIMIT**
- 0 to 95% RH, non-condensing.

**ENCLOSURE**
- Galvanized steel abs, ABS cover.

**ENCLOSURE RATING**
- NEMA 1 (IP40).

**CAPILLARY MATERIAL**
- Copper.

**CABLE ENTRY**
- (1) M20 compression fitting.

**ACCESSORIES**

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**MODEL CHART - SENSORS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Sensor</th>
<th>Cap Material</th>
<th>Length (ft)</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>TD-1</td>
<td>PTC</td>
<td>Brass</td>
<td>5 (1.5)</td>
<td>$36.00</td>
</tr>
<tr>
<td>TD-2</td>
<td>PTC</td>
<td>Stainless steel</td>
<td>5 (1.5)</td>
<td>$9.00</td>
</tr>
<tr>
<td>TD-3</td>
<td>PTC</td>
<td>PVC</td>
<td>5 (1.5)</td>
<td>$6.00</td>
</tr>
<tr>
<td>TD-4</td>
<td>PTC</td>
<td>Polyamide resin coated brass</td>
<td>10 (3)</td>
<td>$8.50</td>
</tr>
</tbody>
</table>

**MODEL CHART - CONFIGURATION KEYS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-TS-AP</td>
<td>1/4 DIN adapter plate</td>
<td>$38.00</td>
</tr>
<tr>
<td>A-TS-W</td>
<td>Brass thermowell for use with TS-1, TS-11, TS-2, TS-21</td>
<td>$89.00</td>
</tr>
</tbody>
</table>

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**MODEL CHART - PROBES**

<table>
<thead>
<tr>
<th>Model</th>
<th>Configuration Key</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>TS2-1</td>
<td>A-TS-AP</td>
<td>$38.00</td>
</tr>
<tr>
<td>TS2-2</td>
<td>TS2-W</td>
<td>$89.00</td>
</tr>
</tbody>
</table>

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**MODEL CHART - TOOLS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-DFS2-C</td>
<td>Capillary mounting clips (6 pieces)</td>
<td>$12.50</td>
</tr>
</tbody>
</table>