RTD-100-S
Temperature Sensor

Application . . .

Electric Heat Tracing Control
The RTD-100-S is designed for use as control input for freeze protection and temperature maintenance applications requiring pipewall or tankwall temperature sensing.

A cast-aluminum NEMA 4X/7 enclosure and terminal block allows ease of wiring into a single unit that can be installed directly onto a heat traced pipe. The RTD-100 housing and mounting pad are stainless steel.

The RTD-100-S is suitable for use in heat tracing applications where surface temperatures do not exceed 900°F (482°C).

Ratings/Specifications . . .

Electrical connection .........................tension clamp terminals
Enclosure rating ..............................................NEMA 4X/7
Enclosure hub size .................................1/2" NPT female hub
RTD leads ........................................22 AWG fiberglass
RTD type ........................................3-wire platinum thin film
RTD resistance ..............................100 ohms at 32° (0°C)
RTD calibration

Per ASTM E1137, DIN standard 43760/BS1904/IEC 751
Temperature coefficient ....................0.00385 Ohms/Ohms - °C
Maximum sensor temperature .................900°F (482°C)
Sensor housing material ......................316 stainless steel

Product Reference Legend . . .

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Resistance Temperature Detector</th>
<th>Band Lengths (purchased separately)</th>
</tr>
</thead>
<tbody>
<tr>
<td>B4</td>
<td>RTD-100-S-B4</td>
<td>B4 = pipe dia. up to 4”</td>
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<tr>
<td>B10</td>
<td></td>
<td>B10 = pipe dia. up to 10”</td>
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<tr>
<td>B21</td>
<td></td>
<td>B21 = pipe dia. up to 21”</td>
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Certifications/Approvals . . .

Canadian Standards Association
The RTD-100-S is CSA certified for use in North America.

Ordinary Locations
Class I, Division 2, Groups A, B, C and D

Hazardous (Classified) Locations
Class II, Division 2, Groups E, F and G