RTD-200R
Removable Temperature Sensor

Application . . .

Electric Heat Tracing Control
The RTD-200R is designed for use as control input for freeze protection and temperature maintenance applications requiring pipewall or tankwall temperature sensing.

A metallic NEMA 4 enclosure and terminal block allows ease of wiring into a single unit that can be installed directly onto a heat traced pipe. The RTD sensor can be removed and inspected or replaced without disturbing the thermal insulation.

The RTD-200R is suitable for use in heat tracing applications where surface temperatures do not exceed 500°F (260°C).

Ratings/Specifications . . .

Electrical connection ..................................... terminal blocks
Enclosure rating .................................................. NEMA 4
Enclosure hub size ..................................... 3/4" NPT female hub
RTD leads .................................................. 22 AWG, fluoropolymer
RTD type .......................................................... 100 ohms at 32° (0°C)
RTD calibration ...... DIN Standard 43760/BS1904/IEC 751
Temperature coefficient .................. 0.0385 Ohms/Ohms - °C
Maximum sensor temperature ...................... 500°F (260°C)
Sensor material ................................................ stainless steel

Product Features . . .

• Removable RTD sensor allows inspection or replacement without disturbing thermal insulation
• Terminal strip connections for wiring reliability
• Durable fluoropolymer insulated leads
• Extended sensor length for reduced sensitivity to ambient temperature changes
• Thermally conductive pad assures accurate sensing of heat traced pipe and vessel surface temperatures
• Precision fit of internal sensor ensures accurate sensing while allowing removability

Product Reference Legend . . .

<table>
<thead>
<tr>
<th>Resistance Temperature Detector</th>
<th>Model Number</th>
<th>RTD-200R-3-B4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Removable Sensor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of RTD Leads</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Band Lengths (purchased separately)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B4 = pipe dia. up to 4”</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B10 = pipe dia. up to 10”</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B21 = pipe dia. up to 21”</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note . . .

1. Specify RTD-200R-E-3 to order replacement sensor only.