Remote-mounted RTD assemblies are designed for applications where space is limited, or where high ambient temperatures or excessive heat conduction exists. These assemblies are available in a variety of element types, accuracies, sheath diameters, process connections, and head options. These sensors can be mounted into a thermowell with the use of a spring-loaded well fitting, or directly into a process with a welded- or compression-style fitting. They are also available with a variety of optional head-mounted temperature transmitters.

### 1-1 Pt100 (α = 0.003 85 °C⁻¹) RTD Assemblies

<table>
<thead>
<tr>
<th>CODE</th>
<th>SINGLE</th>
<th>DESCRIPTION</th>
<th>TOLERANCE</th>
<th>TEMPERATURE RANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>R1T185L</td>
<td>R1T285L</td>
<td>Grade B</td>
<td>(-200 to 200°C)</td>
<td></td>
</tr>
<tr>
<td>RST185L</td>
<td>RST285L</td>
<td>(1/5) Class B</td>
<td>(-200 to 200°C)</td>
<td></td>
</tr>
<tr>
<td>RBF185L</td>
<td>RBF285L</td>
<td>Class B</td>
<td>(-50 to 200°C)</td>
<td></td>
</tr>
<tr>
<td>RAF185L</td>
<td>RAF285L</td>
<td>Class A</td>
<td>(-50 to 200°C)</td>
<td></td>
</tr>
<tr>
<td>R1T185H</td>
<td>R1T285H</td>
<td>Grade B</td>
<td>(-200 to 600°C)</td>
<td></td>
</tr>
<tr>
<td>RAT185H</td>
<td>RAT285H</td>
<td>Class A</td>
<td>(-200 to 600°C)</td>
<td></td>
</tr>
</tbody>
</table>

### 1-2 Sheath - 316 SS

<table>
<thead>
<tr>
<th>CODE</th>
<th>DIAMETER (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>38</td>
<td>3/16&quot;</td>
</tr>
<tr>
<td>48</td>
<td>1/4&quot;</td>
</tr>
<tr>
<td>68</td>
<td>3/8&quot;</td>
</tr>
</tbody>
</table>

### 1-3 Element Connection

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>3 wires</td>
</tr>
<tr>
<td>4</td>
<td>4 wires</td>
</tr>
</tbody>
</table>

### 6-1 Head Mounting Fittings

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>31</td>
<td>Aluminum screw-cover head</td>
</tr>
<tr>
<td>34</td>
<td>Cast Iron screw-cover head</td>
</tr>
<tr>
<td>49</td>
<td>Flip-top Aluminum head</td>
</tr>
<tr>
<td>63</td>
<td>White Polypropylene screw-cover head</td>
</tr>
</tbody>
</table>

### Options

- D-2 FM/CSA Class I Div. 2 Rating for option 31, 34, 91
- I Stainless Steel Tag
- SB Steel conduit reducer bushing
- T-440 (4 to 20) mA head-mounted RTD transmitter
- T-441 (4 to 20) mA isolated head-mounted transmitter
- T-442 (4 to 20) mA isolated HART® head-mounted transmitter
- T82-00 (4 to 20) mA isolated HART® dual Input head-mounted transmitter

### 6-2 Head Terminations

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>Extension leadwire transition with relief spring 204°C</td>
</tr>
<tr>
<td>16</td>
<td>Extension leadwire transition with heat-shrink tubing 104°C</td>
</tr>
</tbody>
</table>

### 4 Leadwire Transitions

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>T3A</td>
<td>Fluoropolymer insulation, stranded conductor, flexible armor</td>
</tr>
<tr>
<td>T3P</td>
<td>Fluoropolymer insulation, stranded conductor, PVC-coated flexible armor</td>
</tr>
<tr>
<td>T3T</td>
<td>Fluoropolymer insulation, stranded conductor, FEP-coated flexible armor</td>
</tr>
</tbody>
</table>

### 5 Extension Leadwire "B" Dimensions

[1] Insert 3 digit "B" length in inches.