Style RTD8 — Connection Head with 1/2” NPT Pipe Nipple

Design Features
- Platinum Resistance Element.
- Tempco’s connection heads are gasketed to seal against moisture, dust and corrosive or hostile atmospheres.
- Screw covers are attached to body with a plated chain.
- Covers have lugs for tightening or loosening with a screwdriver or wrench.
- Available in single or duplex.
- Tempco’s connection heads are available in die cast aluminum, Bakelite and cast iron in a variety of sizes from miniature for confined areas, to the large universal head designed for heavy process and industrial applications. See sensor accessories on pages 14-98 through 14-100 for complete information.
- Pipe Nipple is galvanized.

Ordering Information
RTDs are offered with the options listed in the worksheet below. Create an ordering code by filling in the boxes with the appropriate number and/or letter designation for your requirements, and a part number will be assigned.

Ordering Code:

<table>
<thead>
<tr>
<th>RTD8</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
</tr>
</thead>
</table>

Element [Box 1]
- S = 100Ω Single
- D = 100Ω Dual
- K = 1000Ω Single
- L = 1000Ω Dual
- TCR = 0.00385 ohm/ohm/°C

Element Class [Box 2]
- A = ±0.06% at 0°C, Optional
- B = ±0.12% at 0°C, Standard

Number of Leads [Box 3]
- 2 = 2-wire circuit
- 3 = 3-wire circuit
- 4 = 4-wire circuit (Dual circuit not available)
- 0.125” O.D. (Dual circuit not available)

Sheath Material [Box 5]
- B = 304 SS
- C = 316 SS
- A = Alloy 600
- (Type “M” Only; See Box 11)

Spring-Loaded Probe [Box 10]
- O = Not Required
- Y = Required

RTD Construction Type [Box 11]
- Standard Industry Construction
  - S = Fiberglass insulated 900°F (450°C)
  - T = Teflon® Insulated 392°F (200°C)
- Mineral Insulated Construction
  - M = MgO Insulated 1200°F (650°C)
  - N = Polypropylene
- (Type “M” not available for “K” or “L” from Element Box 1)

Special Requirements [Box 12]
- X = Specify
- 0 = None

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Temperature Sensing

RTD Termination Styles

RTD Termination Styles

Optional Termination Styles
Available for the following RTDs:

<table>
<thead>
<tr>
<th>Style</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTD1</td>
<td>14-50</td>
</tr>
<tr>
<td>RTD4</td>
<td>14-53</td>
</tr>
<tr>
<td>RTD5</td>
<td>14-54</td>
</tr>
<tr>
<td>RTP</td>
<td>14-61 through 14-63</td>
</tr>
</tbody>
</table>

**RTD Termination Styles**

<table>
<thead>
<tr>
<th>Style</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>Plain Ends</td>
</tr>
<tr>
<td>S</td>
<td>Spade Lugs</td>
</tr>
<tr>
<td>C</td>
<td>Spade Lugs with BX connector</td>
</tr>
<tr>
<td>P</td>
<td>Standard Plug</td>
</tr>
<tr>
<td>J</td>
<td>Standard Jack</td>
</tr>
<tr>
<td>D</td>
<td>Miniature Plug</td>
</tr>
<tr>
<td>E</td>
<td>Miniature Jack</td>
</tr>
</tbody>
</table>

**Optional Termination Styles**

<table>
<thead>
<tr>
<th>Style</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RCC</td>
<td>BX Connector to BX Connector</td>
</tr>
<tr>
<td>RJP</td>
<td>Jack to Plug</td>
</tr>
<tr>
<td>RPP</td>
<td>Plug to Plug</td>
</tr>
<tr>
<td>RJJ</td>
<td>Jack to Jack</td>
</tr>
<tr>
<td>RCJ</td>
<td>BX Connector to Jack</td>
</tr>
</tbody>
</table>

**ECR Style RTD Extension Assemblies**

(3-wire circuits shown, 2-wire circuits also available)

**Ordering Code:** ECR

**Number of Leads**

- 2 = 2-wire circuit
- 3 = 3-wire circuit
- 4 = 4-wire circuit

*Plugs and Jacks not available

**“L” Dimension**

Whole inches
001 to 999

**Lead Insulation**

- Standard: S
- Overbraid: T
- Armored Cable: A

Fiberglass 900°F (482°C)
Teflon® 392°F (200°C)

**Special Requirements**

X = Specify
0 = None

*Plugs and Jacks for 2- and 3-Wire Only

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View Product Inventory @ www.tempco.com

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