## Two Construction Styles to Suit Any Application

*Standard Industry Tube and Wire construction with fiberglass 900°F (450°C) or Teflon® 392°F (200°C) lead wires*

*Mineral Insulated construction rated up to 1200°F (650°C). This construction type allows forming and bending the sheath to meet design requirements.*

## Design Features

* Platinum Resistance Element.
* Tempo’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.
* Tempo’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.
* Nipple-Union-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>RTD9</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 7**
  - S = 100Ω Single
  - K = 1000Ω Single
  - D = 100Ω Dual
  - L = 1000Ω Dual
  - TCR = 0.00385 ohm/°C

- **Sheath Length “L1” Box 6**
  - Whole inches
  - 01 to 99
  - For lengths over 99 in. consult TEMPCO.

- **Sheath Length “L1” Box 7**
  - Fractional inches
  - 0 = 0”
  - 1 = 1/8”
  - 2 = 1/4”
  - 3 = 3/8”
  - 4 = 1/2”
  - 5 = 5/8”
  - 6 = 3/4”
  - 7 = 7/8”

- **“L2” Dimension (in.) Box 8**
  - Nipple, Union, Nipple in whole inches
  - Standard Lengths S1 = 3-1/2”, S2 = 6-1/2”, S3 = 12-1/2”

- **Connection Head Box 9**
  - A = Standard Size Aluminum
  - B = Medium Size Aluminum
  - C = Miniature Aluminum
  - S = Stainless Steel
  - F = Standard Bakelite
  - P = Polypropylene
  - H = Standard Cast Iron
  - Note: Conduit connection for A, F, H & S is 1/2” (3/4” available); for B & C is 3/8”; and for P is 3/4” NPT.
  - For overall dimensions see pages 14-98 through 14-100.

- **Spring-Loaded Terminal Block 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)
    - (Type “M” not available for “K” or “L” from Element Box 1)

### Special Requirements Box 12

- X = Specify
- 0 = None

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⚠️ **WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)
Temperature Sensing

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**

- Style B—Plain Ends
- Style S—Spade Lugs
- Style C—Spade Lugs with BX connector
- Style D—Miniature Plug
- Style E—Miniature Jack
- Style P—Standard Plug
- Style J—Standard Jack

**ECR Style RTD Extension Assemblies**

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

- Style RJP—Jack to Plug
- Style RCP—BX Connector to Plug
- Style RCC—BX Connector to BX Connector
- Style RPP—Plug to Plug
- Style RJJ—Jack to Jack
- Style RCJ—BX Connector to Jack

**Ordering Code:** ECR

- **Number of Leads**
  - 2 = 2-wire circuit
  - 3 = 3-wire circuit
  - 4 = 4-wire circuit
- **“L” Dimension**
  - Whole inches
  - 001 to 999

**Lead Insulation**

- Standard: S
- Overbraided: T
- Armor Cable: D

**Special Requirements**

- X = Specify
- 0 = None

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*Plugs and Jacks not available

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

- **WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

View Product Inventory @ [www.tempco.com](http://www.tempco.com)