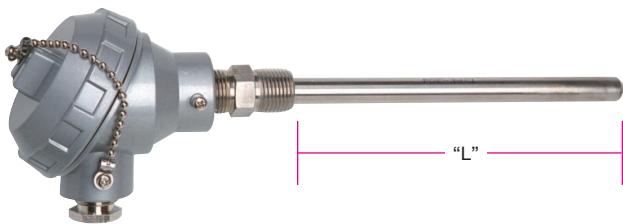


Style RTD7 — Connection Head with 1/2" NPT Hex Nipple



Two Construction Styles to suit any application

(See Ordering Code Box 10)

- * Standard Industry Tube and Wire construction with fiberglass 900°F (482°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.
- * 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.

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:

RTD7 -

Element BOX 1

S = 100Ω Single **K** = 1000Ω Single
D = 100Ω Dual **L** = 1000Ω Dual
TCR = .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 O.D. BOX 4

F = 0.125"
G = 0.188"
H = 0.250"

Sheath Material BOX 5

B = 304 SS
C = 316 SS
A = Alloy 600
 (Type "M" Only; See Box 10)

Sheath Length "L" BOX 6

Whole inches
01 to **99**
 For lengths over 99 in. consult TEMPCO.

Sheath Length "L" BOX 7

Fractional inches
0 = 0" **3** = 3/8" **6** = 3/4"
1 = 1/8" **4** = 1/2" **7** = 7/8"
2 = 1/4" **5** = 5/8"

Connection Head BOX 8

A = Standard Size Aluminum **S** = Stainless Steel
B = Medium Size Aluminum **F** = Standard Bakelite
C = Miniature Aluminum **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 Probe BOX 9

O = Not Required
Y = Required

RTD Construction Type BOX 10

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 11

X = Specify
0 = None

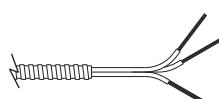


WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

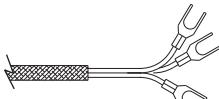
View Product Inventory @ www.tempco.com

RTD Termination Styles

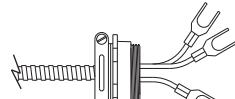
Style B—Plain Ends



Style S—Spade Lugs



Style C—Spade Lugs with BX connector

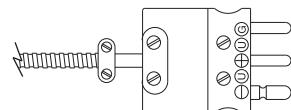


Optional Termination Styles

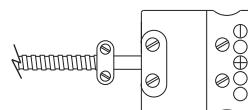
Available for the following RTDs:

Style	Page
RTD1	14-50
RTD4	14-53
RTD5	14-54
RTP	14-61 through 14-63

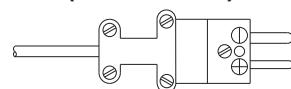
Style P—Standard Plug (3-wire shown)



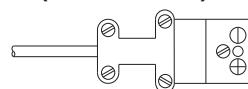
Style J—Standard Jack (3-wire shown)



Style D—Miniature Plug (2-wire shown)



Style E—Miniature Jack (2-wire shown)

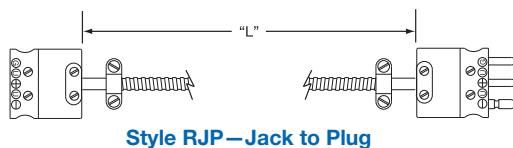


ECR Style RTD Extension Assemblies

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

Termination 1

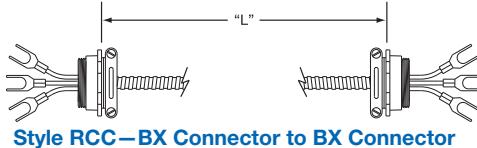
Termination 2



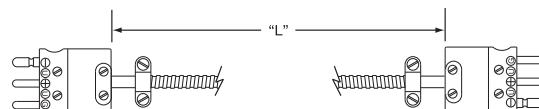
Style RJP—Jack to Plug

Termination 1

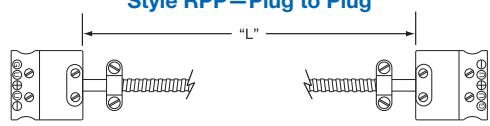
Termination 2



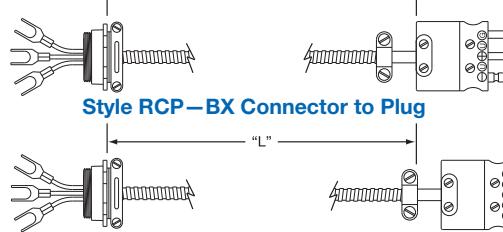
Style RCC—BX Connector to BX Connector



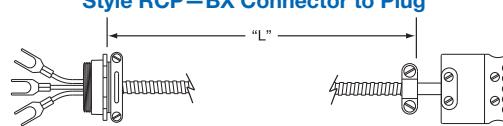
Style RPP—Plug to Plug



Style RJJ—Jack to Jack



Style RCP—BX Connector to Plug



Style RCJ—BX Connector to Jack

Ordering Code: ECR -

Number of Leads BOX 1

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

*Plugs and Jacks not available

"L" Dimension BOX 4

Whole inches
001 to **999**

Lead Insulation BOX 5

Fiberglass 900°F (482°C)	Standard	w/ SS Overbraid	w/ SS Armor Cable
Teflon® 392°F (200°C)	S T	B D	A F

Special Requirements BOX 6

X = Specify
0 = None

Termination (Specify for Both Ends) BOXES 2 & 3

B = 2-1/2 in. Split Leads **D*** = Miniature Plug
S = Spade Lugs **E*** = Miniature Jack
C = Spade Lugs with BX Conn. **X** = Other (Specify)
P* = Standard Plug
J* = Standard Jack

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



WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

View Product Inventory @ www.tempco.com