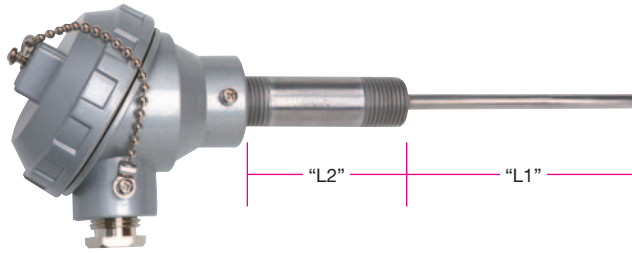




Style RTD8 — Connection Head with 1/2" NPT Pipe Nipple



Two Construction Styles to Suit Any Application

(See Ordering Code Box 11)

- * 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.
- * 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:

RTD8 - 1 2 3 4 5 6 7 8 9 10 11 12

Element BOX 1

S = 100Ω Single K = 1000Ω Single
 D = 100Ω Dual L = 1000Ω Dual
 TCR = .00385 ohm/ohm/°C

Sheath Length "L1" BOX 6

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

Sheath Length "L1" BOX 9

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

Element Class BOX 2

A = ±0.06% at 0°C, Optional
 B = ±0.12% at 0°C, Standard

"L2" 1/2" NPT Nipple Length BOX 8

Whole inches 03 to 18
 For lengths over 18 in. consult TEMPCO.
 Standard Lengths S1 = 1", S2 = 2-1/2", S3 = 5-1/2"

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)

Connection Head BOX 9

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.

Sheath O.D. BOX 4

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

Spring-Loaded Terminal Block BOX 10

O = Not Required
 Y = Required

Sheath Material BOX 5

B = 304 SS
 C = 316 SS
 A = Alloy 600
 (Type "M" Only; See Box 11)

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

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

(800) 323-6859 • Email: sales@tempco.com



RTD Termination Styles

RTD Termination Styles

Style B—Plain Ends

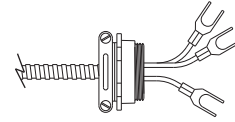
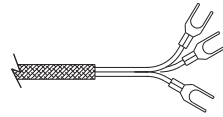
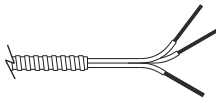
Style S—Spade Lugs

Style C—Spade Lugs with BX connector

Optional Termination Styles

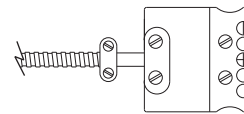
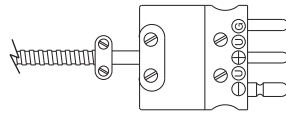
Available for the following RTDs:

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



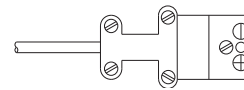
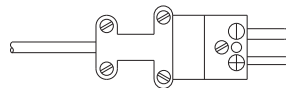
Style P—Standard Plug
(3-wire shown)

Style J—Standard Jack
(3-wire shown)



Style D—Miniature Plug
(2-wire shown)

Style E—Miniature Jack

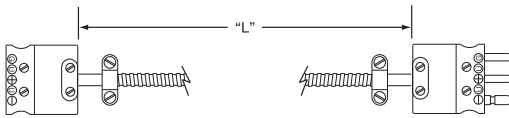


ECR Style RTD Extension Assemblies

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

Termination 1

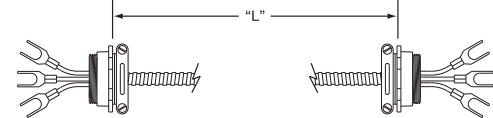
Termination 2



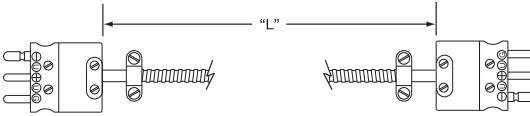
Style RJP—Jack to Plug

Termination 1

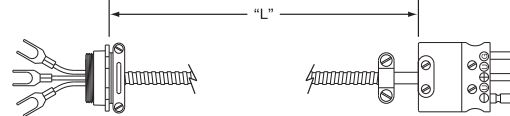
Termination 2



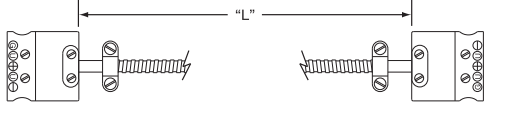
Style RCC—BX Connector to BX Connector



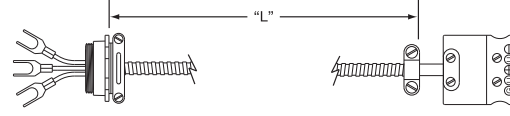
Style RPP—Plug to Plug



Style RCP—BX Connector to Plug



Style RJJ—Jack to Jack



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

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

Termination (Specify for Both Ends) BOXES 2 & 3

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

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

Special Requirements BOX 6

- X = Specify
- 0 = None

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