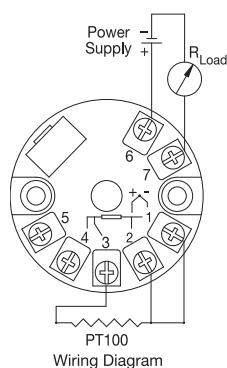
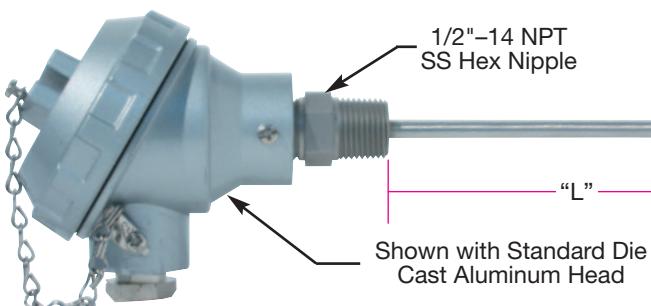


RTDs with Transmitter and Connection Head



Transmitter Ambient Temperature Range:
-40° to +185°F (-40° to +85°C)

Refer to page 12-44 for complete details.

Design Features

- * 100 ohm RTD
- * 4-20mA Programmable Linear Output Transmitter
- * Available with Spring-Loaded Sheath
- * Temperature Range of -58°F to 500°F (-50° to 260°C)
- * Transmitter Accuracy of +/-0.2% of temperature span
- * For field programming of the temperature transmitter see Part Number ETM90006 on page 12-45
- * Available in Single 3-wire Circuit only
- * 1/2" NPT process connection



EMT10001



EMT20001

See Connection Head Box 7 below.
Refer to page 12-50 for complete Indicator specifications.

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: **RTM** - **1** **2** **3** **4** **5** **6** **7** **8** **9**

Element Class **BOX 1**
A = +/-0.06% At 0°C (Optional)
B = +/-0.12% At 0°C (Standard)

Sheath O.D. **BOX 2**
F = .125"
G = .188"
H = .250"

Sheath Material **BOX 3**
B = 304 SS
C = 316 SS

Sheath Length "L" **BOX 4**
 Whole inches
01 to **99**

Sheath Length "L" **BOX 5**
 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"

Transmitter Type **BOX 6 (Enter Code Below)**

Temperature low range
1 = Non-isolated (Standard)
2 = Isolated

Temperature high range

Unit
°F **°C**

Connection Head **BOX 7**

A = Standard Aluminum	H = Standard Cast Iron
B = Medium Size Aluminum	L = Aluminum Head with LCD Indicator (EMT10001)
S = Stainless Steel	M = Heavy Duty Aluminum Head with LCD Indicator (EMT20001)
P = Polypropylene Head (FDA Approved)	

Note: Conduit connection for A, H & S is 1/2", for B is 3/8" NPT, for P is 3/4" NPT. For overall dimensions see pages 14-98 through 14-100.

Spring-Loaded Probe **BOX 8**

0 = Not Required
Y = Required

Special Requirements **BOX 9**

X = Specify
0 = None

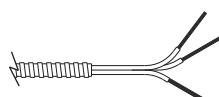


WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

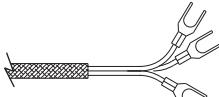
(800) 323-6859 • **Email:** sales@tempco.com

RTD Termination Styles

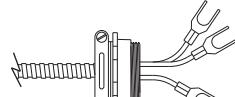
Style B—Plain Ends



Style S—Spade Lugs



Style C—Spade Lugs with BX connector

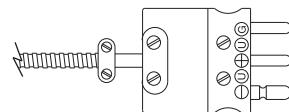


Optional Termination Styles

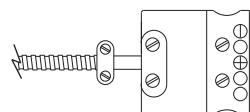
Available for the following RTDs:

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

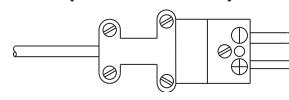
Style P—Standard Plug (3-wire shown)



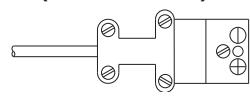
Style J—Standard Jack (3-wire shown)



Style D—Miniature Plug (2-wire shown)



Style E—Miniature Jack (2-wire shown)

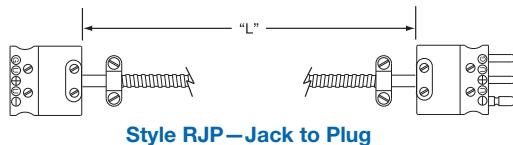


ECR Style RTD Extension Assemblies

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

Termination 1

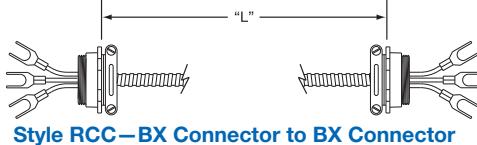
Termination 2



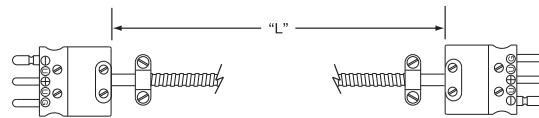
Style RJP—Jack to Plug

Termination 1

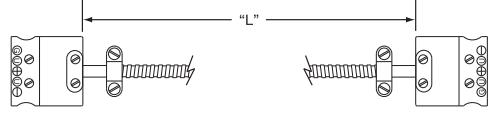
Termination 2



Style RCC—BX Connector to BX Connector



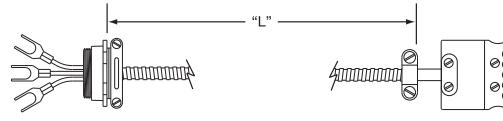
Style RPP—Plug to Plug



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

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