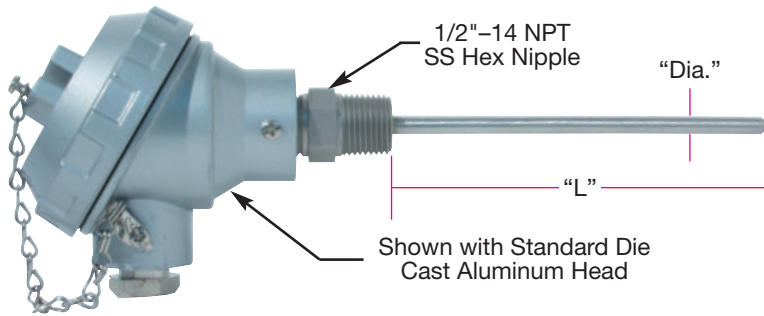
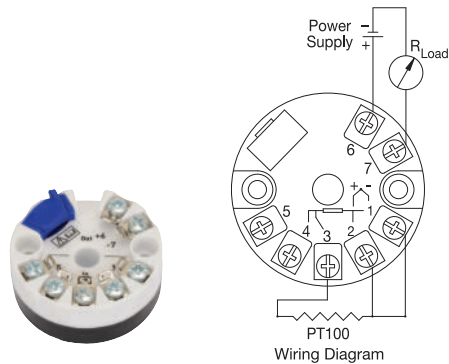


RTDs with Transmitter and Connection Head



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



Transmitter Ambient Temperature Range:
-40° to +185°F (-40° to +85°C)
Refer to page 12-44 for complete details.



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** -

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)

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------	----------------------	----------------------	----------------------	----------------------	----------------------

Temperature low range Temperature high range Unit °F °C
1 = Non-isolated (Standard)
2 = Isolated

Connection Head BOX 7

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

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.

Temperature Sensing



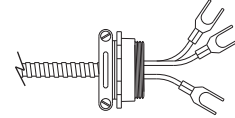
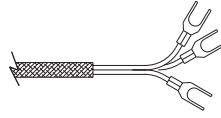
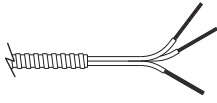
RTD Termination Styles

RTD Termination Styles

Style B—Plain Ends

Style S—Spade Lugs

Style C—Spade Lugs with BX connector



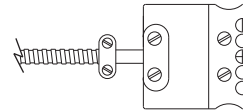
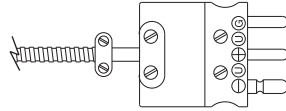
Optional Termination Styles

Available for the following RTDs:

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

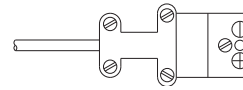
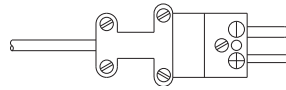
Style P—Standard Plug
(3-wire shown)

Style J—Standard Jack
(3-wire shown)



Style D—Miniature Plug
(2-wire shown)

Style E—Miniature Jack
(2-wire shown)

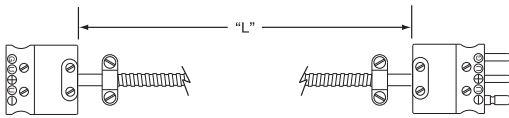


ECR Style RTD Extension Assemblies

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

Termination 1

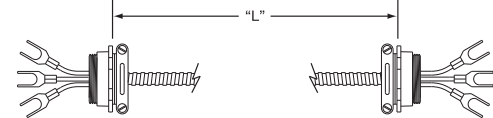
Termination 2



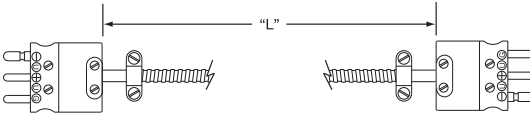
Style RJP—Jack to Plug

Termination 1

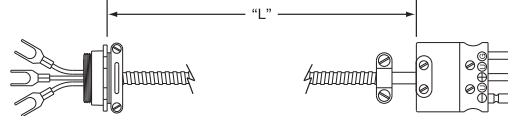
Termination 2



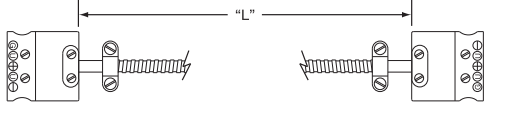
Style RCC—BX Connector to BX Connector



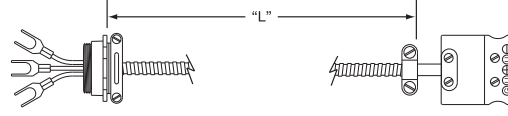
Style RPP—Plug to Plug



Style 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

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

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

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