

Temperature Sensing

Resistance Temperature Sensing

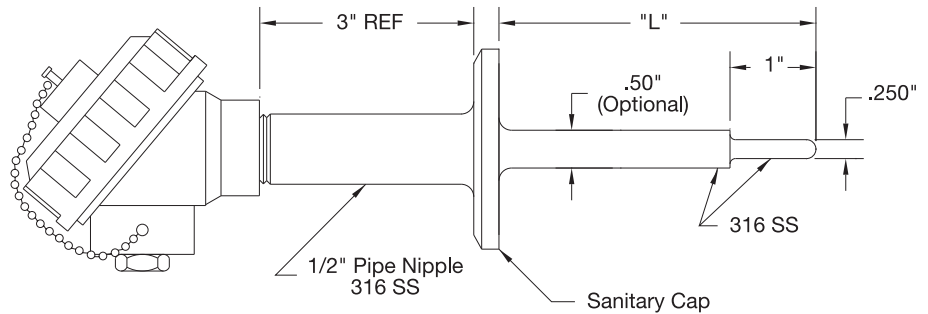


Sanitary RTDs



Design Features

- * Platinum Resistance Element
- * Ideal for Food and Dairy Applications
- * 316 SS Construction
- * Available in Standard .250 dia. Tip or Optional .500 dia. Reduced to .250 dia.
- * Improved Response Time
- * Welded and Highly Polished Components
- * Operating Temperature Range of -58° to 500°F (-50° to 260°C)



Ordering Code: **RTS** -

Diameter BOX 1

- 1** = 0.250"
- 2** = 0.500" with .250" tip

Element BOX 2

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

Element Class BOX 3

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

Number of Leads BOX 4

- 2** = 2-wire circuit
- 3** = 3-wire circuit
- 4** = 4-wire circuit (*Dual Circuit not available*)

Sanitary Cap Type BOX 5

- (Standard Finish)
- A** = 16 AMP Tri-Clover
- X** = Other (Specify)

Sanitary Cap Size BOX 6

- A** = 1-1/2"
- B** = 2"
- C** = 2-1/2"
- D** = 3"
- X** = Other (Specify)

Sheath Length "L" BOX 7

- Whole inches
- 01 to 99**

Sheath Length "L" BOX 8

- 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 9

- P** = Polypropylene Head (FDA Approved)
- A** = Standard Die Cast Aluminum Head
- For overall dimensions see pages 14-98 to 14-100.
- (Note: Conduit connection for A is 1/2", and for B is 3/4".)

Special Requirements BOX 10

- X** = Specify
- 0** = None

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



RTD Termination Styles

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Style B—Plain Ends

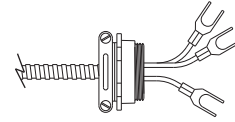
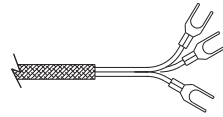
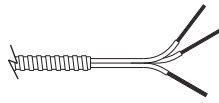
Style S—Spade Lugs

Style C—Spade Lugs with BX connector

Optional Termination Styles

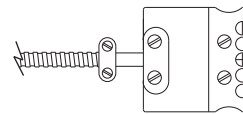
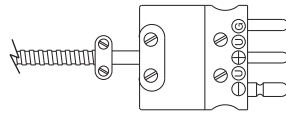
Available for the following RTDs:

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



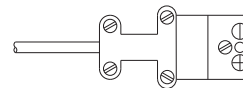
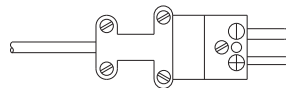
Style P—Standard Plug
(3-wire shown)

Style J—Standard Jack
(3-wire shown)



Style D—Miniature Plug
(2-wire shown)

Style E—Miniature Jack

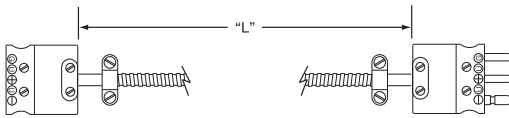


ECR Style RTD Extension Assemblies

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

Termination 1

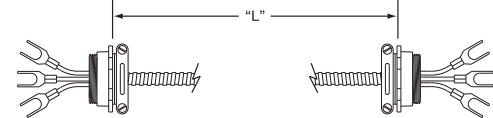
Termination 2



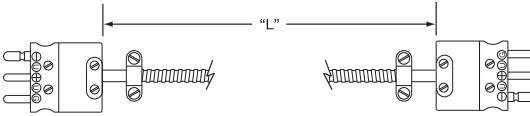
Style RJP—Jack to Plug

Termination 1

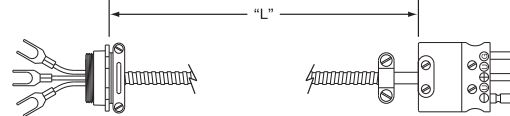
Termination 2



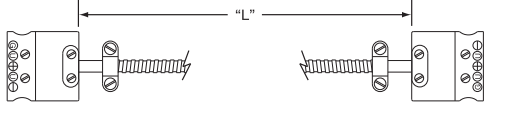
Style RCC—BX Connector to BX Connector



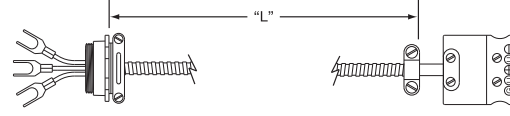
Style RPP—Plug to Plug



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

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