



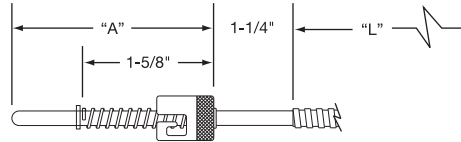
Resistance Temperature Sensing

Bayonet Style RTDs for the Plastics Industry

Design Features

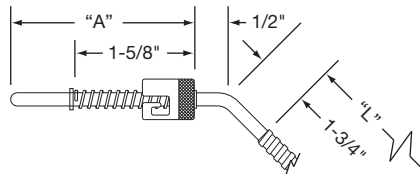
- * 3/16" diameter stainless steel probe
- * Operating temp. 392°F (200°C); 900°F (482°C) available
- * 3-wire circuit
- * 100 ohms Class B element per IEC 751
- * Can be installed wherever existing thermocouples of similar design are used

Style 3—Rigid Straight Bayonet RTD



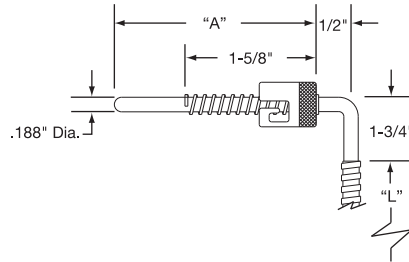
Part Number	Termination Style†	"A" Dim. (in)	"L" Dim. (in)
RTP30001	S	4	48
RTP30002	C	4	48
RTP30003	P	4	48
RTP30004	J	4	48
RTP30005	B	4	48

Style 4—Rigid 45° Bend Bayonet RTD



Part Number	Termination Style†	"A" Dim. (in)	"L" Dim. (in)
RTP40001	S	4	48
RTP40002	C	4	48
RTP40003	P	4	48
RTP40004	J	4	48
RTP40005	B	4	48

Style 5—Rigid 90° Bend Bayonet RTD



Part Number	Termination Style†	"A" Dim. (in)	"L" Dim. (in)
RTP50001	S	4	48
RTP50002	C	4	48
RTP50003	P	4	48
RTP50004	J	4	48
RTP50005	B	4	48

†See Page 14-64 for Termination Style descriptions.

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.

Custom Made Bayonet Style RTDs

Ordering Code: **RTP** -

Style BOX 1

- 3 = Straight
- 4 = 45° Bend
- 5 = 90° Bend

Element BOX 2

- S = 100Ω Single
- D = 100Ω Dual

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*
- *Not available with dual element

"A" Dimension BOX 5

- Whole inches
- 01 to 99 (1-3/4 in. min.)

"A" Dimension BOX 6

- 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"

"L" Dimension BOX 7

- Whole inches
- 000 to 999

Lead Insulation BOX 8

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

Termination BOX 9 †

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

†See Page 14-64 for Termination Style descriptions.

Plugs and Jacks for 2- and 3-Wire Only

Special Requirements BOX 10

- X = Specify
- 0 = None

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



RTD Termination Styles

RTD Termination Styles

Style B—Plain Ends

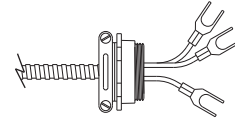
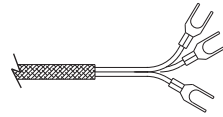
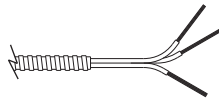
Style S—Spade Lugs

Style C—Spade Lugs with BX connector

Optional Termination Styles

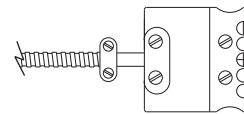
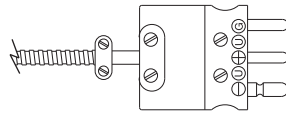
Available for the following RTDs:

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



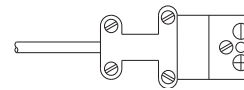
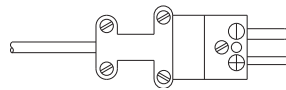
Style P—Standard Plug
(3-wire shown)

Style J—Standard Jack
(3-wire shown)



Style D—Miniature Plug
(2-wire shown)

Style E—Miniature Jack

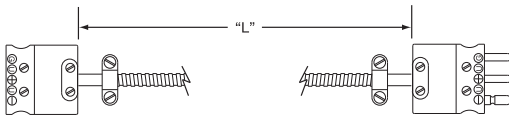


ECR Style RTD Extension Assemblies

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

Termination 1

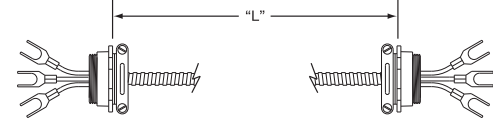
Termination 2



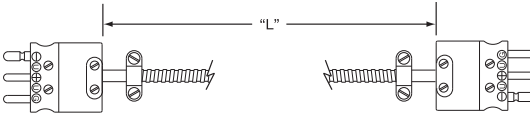
Style RJP—Jack to Plug

Termination 1

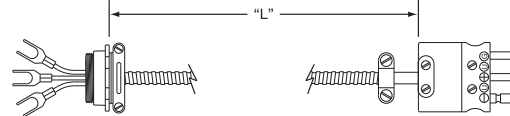
Termination 2



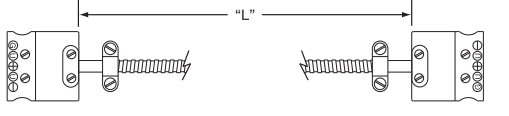
Style RCC—BX Connector to BX Connector



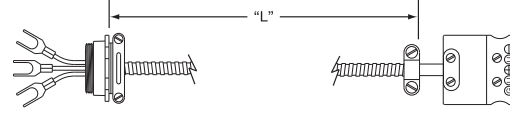
Style RPP—Plug to Plug



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

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