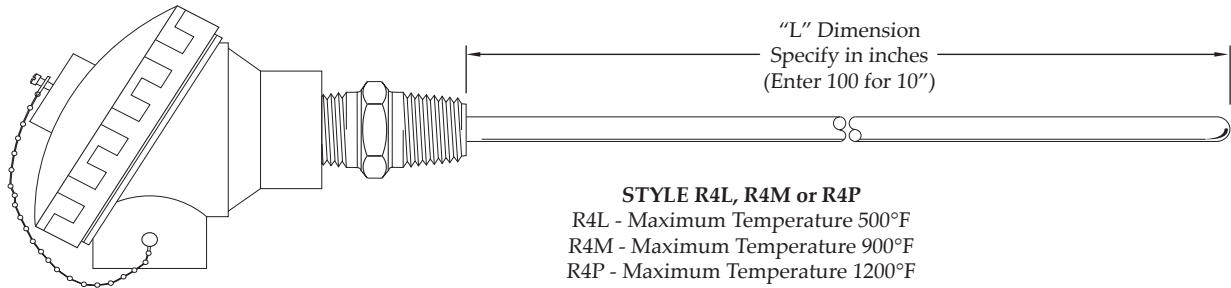


Resistance Temperature Detectors

RTD WITH TERMINAL HEAD



STYLE R4L, R4M or R4P
R4L - Maximum Temperature 500°F
R4M - Maximum Temperature 900°F
R4P - Maximum Temperature 1200°F

Code	Table 1: Element Type
A	100 ohm .00385 Curve Class B Platinum
B	100 ohm .00385 Curve Class A Platinum
D	500 ohm .00385 Curve Class B Platinum
E	1000 ohm .00385 Curve Class B Platinum
G	100 ohm .00392 Curve Class B Platinum
J	120 ohm .00672 Curve Nickel (R4L Only)
K	604 ohm .00520 Curve Nickel Iron (R4L Only)

Code	Table 6: Process Connections
6	½" NPT Stainless Steel Hex Nipple
8	¾" NPT Stainless Steel Hex Nipple

Code	Table 7: Spring Loaded Options
1	Fixed Fitting
2	Spring Loaded Fitting

Code	Table 2: Wiring Configuration
A	Single, 2 Wire
B	Single, 3 Wire (Minimum sheath diameter .156")
C	Single, 4 Wire (Minimum sheath diameter .188")
D	Dual, 4 Wire (Minimum sheath diameter .188")
E	Dual, 6 Wire (Minimum sheath diameter .250")

Code	Table 8: Terminal Heads
A	½" NPT Conduit, Aluminum Head
B	¾" NPT Conduit, Aluminum Head
C	½" NPT Conduit, Cast Iron Head
D	¾" NPT Conduit, Cast Iron Head
M	¼" NPT Conduit Connection, Miniature Plastic Head
P	½" NPT Conduit, Grey Delrin Head
R	¾" NPT Conduit, Grey Delrin Head
W	½" NPT Conduit, White Polypropylene Head
V	¾" NPT Conduit, White Polypropylene Head
Z	½" NPT Conduit, Explosion Proof Aluminum Head
Y	¾" NPT Conduit, Explosion Proof Aluminum Head

Code	Table 3: Sheath Material
4	304 Stainless Steel
6	316 Stainless Steel
8	Inconel 600

Code	Table 4: Sheath Diameter
B	.125" or ½" O.D.
V	.156" or 5/32" O.D.
C	.188" or 3/16" O.D.
D	.250" or ¼" O.D.
F	.375" or 3/8" O.D.

Code	Table 9: Fitting Options
0	No Fitting
N	⅛" NPT Compression, Brass
P	⅛" NPT Compression, Stainless Steel
R	¼" NPT Compression, Brass
S	¼" NPT Compression, Stainless Steel
V	½" NPT Compression, Stainless Steel
X	Special, Specify

Code	Table 5: Sheath Length ("L" Dimension)
Specify in inches. See table on page 4 for codes.	

Part Number Sequence

R4L-EA-4C060-62AR

R4L - E A - 4 C 060 - 6 2 A R

R4L, R4M, R4P	Table 1	Table 2	Table 3	Table 4	Table 5	Table 6	Table 7	Table 8	Table 9
Sensor Type & Style No.	Element Type	Wiring Configuration	Sheath Material	Sheath Diameter	"L" Sheath Length	Process Connections	Spring Loading	Terminal Head	Fitting Options

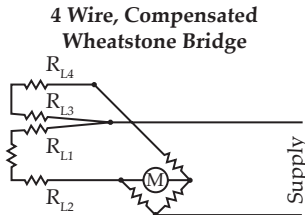
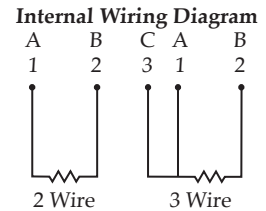
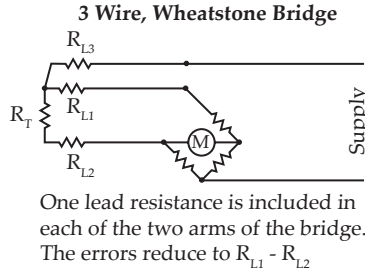
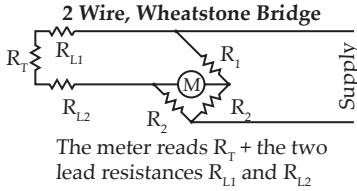
Resistance Temperature Detectors

SPECIFICATIONS

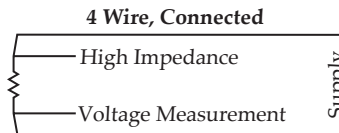
Available RTD Elements

Code	Element Type	Temperature Coefficient	Tolerance at 0°C
A	100 ohm Platinum	.00385	.1%
B	100 ohm Platinum	.00385	.06%
C	100 ohm Platinum	.00385	.03%
D	500 ohm Platinum	.00385	.1%
E	1000 ohm Platinum	.00385	.1%
F	2000 ohm Platinum	.00385	.1%
G	100 ohm Platinum	.00392	.1%
H	100 ohm Platinum	.00392	.03%
J	120 ohm Nickel	.00672	.5%
K	604 ohm Nickel Iron	.00520	.5%

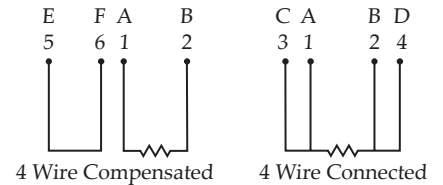
Wiring Diagrams



In this type R_{L3} and R_{L4} appear in one arm of the bridge. R_{L1} and R_{L2} appear in the other. Errors are $R_{L1} + R_{L2} - R_{L3} - R_{L4}$



Errors can be made negligible by having a very high input impedance amplifier.



Code Definitions

"L" Dimensions				"B" Dimensions				"A" Dimensions		Fractional Dimension Letter Code					
"L" dimensions are specified in whole inches and a single alpha character which represents a fraction. Enter the three digit code as follows:				"B" dimensions are specified in fractions from 1/8" to 1". Use the single alpha character to indicate the tip length. Enter the code as follows:				"A" dimensions are specified in whole inches only. Enter the three digit code as follows:		1/16"	A	11/16"	L	Fraction	
										1/8"	B	3/4"	M		
3/16"	C	13/16"	N												
1/4"	D	7/8"	P												
5/16"	E	15/16"	R												
3/8"	F	1"	S												
7/16"	G	0	No												
1/2"	H														
3/4"	I														
9/16"	J														
5/8"	K														
3"	030	10 5/8"	10K	1/8"	B	5/8"	K	9"	009	7/16"	G	0	No		
4 1/2"	04H	12"	120	1/4"	D	3/4"	M	12"	012	1/2"	H				
6 1/4"	06D	15 3/8"	15F	3/8"	F	7/8"	P	36"	036	9/16"	J				
7 7/8"	07P	17 3/4"	17M	1/2"	H	1"	S	144"	144	5/8"	K				