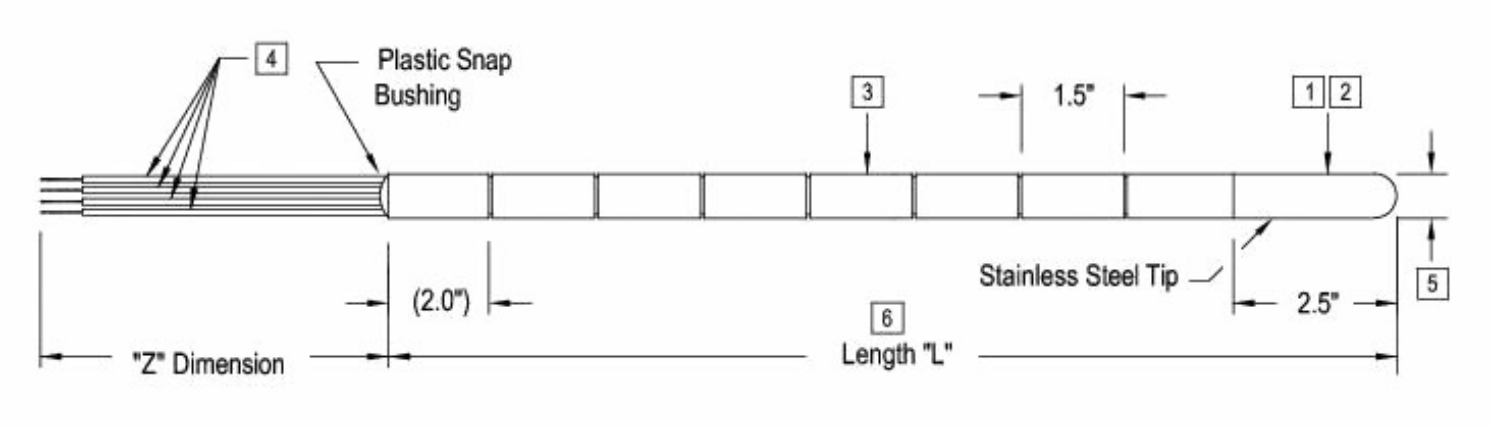
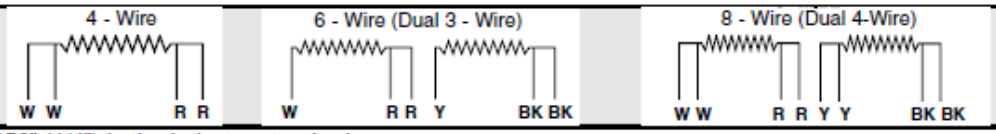
Model 120 hand-breakable RTD

Overview

Stocking our patented ‘breakable’ RTDs can reduce your inventory and down time. No tools are required to break the sensor to the required length. and optional fittings. Model 120 is designed to be used with a range of fitting options. All can be installed in a matter of minutes.

Technical specification



1. Base Model	Base Model/Series Number.	
2. A. Accuracy:	*Standard*	Class B (no code)
	High	Class A (code H)
	Special	Customer Specified (code S)
	* Industry Standard is DIN Curve (code 01B), Platinum, 100 @ 0°C. Conforms to IEC 751.	
B. TCR:	Temperature Coefficient of Resistance is the temperature vs. resistance characteristics of a given metal (Pt, Cu & Ni) used in manufacturing the RTD. Determines the curve of the RTD.	
C. Ice Point Resistance:	R_0 - Resistance at 0°C (32°F)	
3. Construction:	Code V - Tube and wire construction, thin film element (.00385055) TCR, Teflon insulated lead wire in a fiber-glass breakable sheath.	
4. Lead Wires:		

5. Sheath Diameter:	.250" (1/4") is the industry standard.
6. Sheath Length:	Available in two lengths, scored to be breakable every 1 1/2 inches, above 2 1/2" nominal tip.
7 Optional Fittings:	Sensor is not supplied with mounting hardware, specify optional fitting.

Technical specification

Model	Description
120	**Hand-Breakable RTD**

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Code	R_o & Temperature Coefficient			
01B	**100 ohm Platinum**	**.00385055**	**TCR**	**(100 ohms @ 0° C) - Industry Standard**
01A	100 ohm Platinum	.003902	TCR	(100 ohms @ 0° C)
10A	1000 ohm Platinum	.003902	TCR	(1000 ohms @ 0° C)
10B	1000 ohm Platinum	.00385055	TCR	(1000 ohms @ 0° C)
12N	120 ohm Nickel	.00672	TCR	(120 ohms @ 0° C)
09C	10 ohm Copper (9.035)	.004274	TCR	(10 ohms @ 25°C)

Add Code "H" for higher accuracy
Add Code "S" for special accuracy
Add Code "M_", ME for matched to element, MT for matched to transmitter, MP two matched to probes.

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Code	Construction Temperature Limit
V	250° F Maximum

3

Code	Number of Lead Wires
4	3-Wire (Complete Compensation)
6	Dual 3-Wire (With dual element)
8	Dual 4-Wire (With dual element)

4

Code	Sheath Diameter
C	.250" (1/4") Diameter

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Code	Sheath Length
15	15" (18" Overall) Standard
31	31" (34" Overall)
Other	Consult Factory

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Code	Optional Fittings	
C1S	Compression	1/4" Sheath x 1/8" NPT SS
C2S		1/4" Sheath x 1/4" NPT SS
C3S		1/4" Sheath x 1/2" NPT SS
NS1		1/4" Sheath x 1/2" NPT Hex Nipple
FS5	Spring-Loaded:	1/4" Sheath 1/2" X 1/2" Hex Fitting with adjustable Fluid Seal
310		1/2" X 1/2" Hex Fitting Kit
Other	Consult Factory	

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120	-	01B	-	V	-	4	-	C	-	15	-	NS1
	-		-		-		-		-		-	

Sample Model Number
Your Model Number

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Curtiss-Wright Corporation (NYSE: CW) is a global integrated business that provides highly engineered products, solutions and services mainly to Aerospace & Defense markets, as well as critical technologies in demanding commercial power, process and industrial markets. We leverage a workforce of approximately 8,600 highly skilled employees who develop, design and build what we believe are the best engineered solutions to the markets we serve. Building on the heritage of Glenn Curtiss and the Wright brothers, Curtiss-Wright has a long tradition of providing innovative solutions through trusted customer relationships.