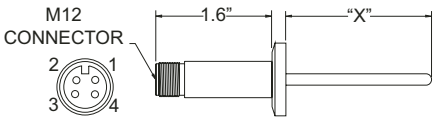
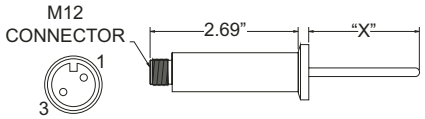
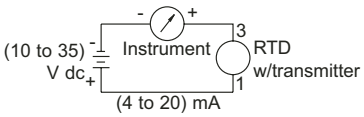
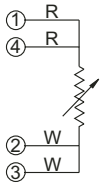
Water-Tight Miniature CIP RTD Assembly With Optional Series 450 Integral Transmitter

The Water-Tight Miniature CIP RTD Assembly houses an optional Series 450 Temperature Transmitter (no connection head is required) that is ideal for monitoring temperature in small areas such as tanks and pipes. The water-tight construction meets NEMA 6P requirements. These assemblies include a 316SS clean-in-place connection. Typical surface roughness average measurement is 15µin R_a or better. Standard units include a M12 process connection housing. The transmitter is a 2-wire unit with an analog output and a response time of two seconds that is ideal for pharmaceutical applications. It has measurement input for Pt100 resistance thermometers (RTD) in 4 wire connections. Transmitters can be ranged from -51 to 160 ºC [60 to 320 ºF] minimum span requirement.









ORDER CODES

Example Order Number:

1		2		3		4		5		6		7	8
R5T185L(156)84	-	**04**	-	**CIP**	-	**075-5**	-	**45,**	**T**	-	**450**	-	**U**	-	**S (0-200)**	**F**

1 Pt100 (α = 0.003 85 ºC^{-1}) RTD Assemblies

CODE	INITIAL ELEMENT ACCURACY @ 0 ºC	NOMINAL SHEATH DIAMETER OD
RAF185L(156)84	± 0.06%	5/32”
R1T185L(156)84	± 0.1%	5/32”
R3T185L(156)84	± 0.03%	5/32”
R5T185L(156)84	± 0.01%	5/32”

Note: See Instrument Section for total sensor and transmitter output accuracy.

2 Immersion Length “X”

Specify "X" length in inches using 2 digits, plus any fractional length desired
Examples: 04 = 4", 04(1/2) = 4.5”

Note: See Instrument Section for total sensor and transmitter output accuracy.

3 Sanitary Cap Size and Style

CODE	DESCRIPTION
075-5	1/2” & 3/4” 16 AMP cap - Tri-Clamp®

For field wireable and molded extensions see RTD Section.

4 Termination

CODE	DESCRIPTION
45	M12 Water-tight connector
Optional Transmitter	
T	(4 to 20)mA Temperature Transmitter (requires table 5 selection)

5 Transmitter

CODE	DESCRIPTION
450-00	Programmable Transmitter Unconfigured
450	Programmable Transmitter Configured

6 Fault Signal

CODE	DESCRIPTION
U	Upscale Burnout
D	Downscale Burnout

7 Range

RANGE
S (lower limit - upper limit)

8 Units

CODE	DESCRIPTION
C	Celsius
F	Fahrenheit

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