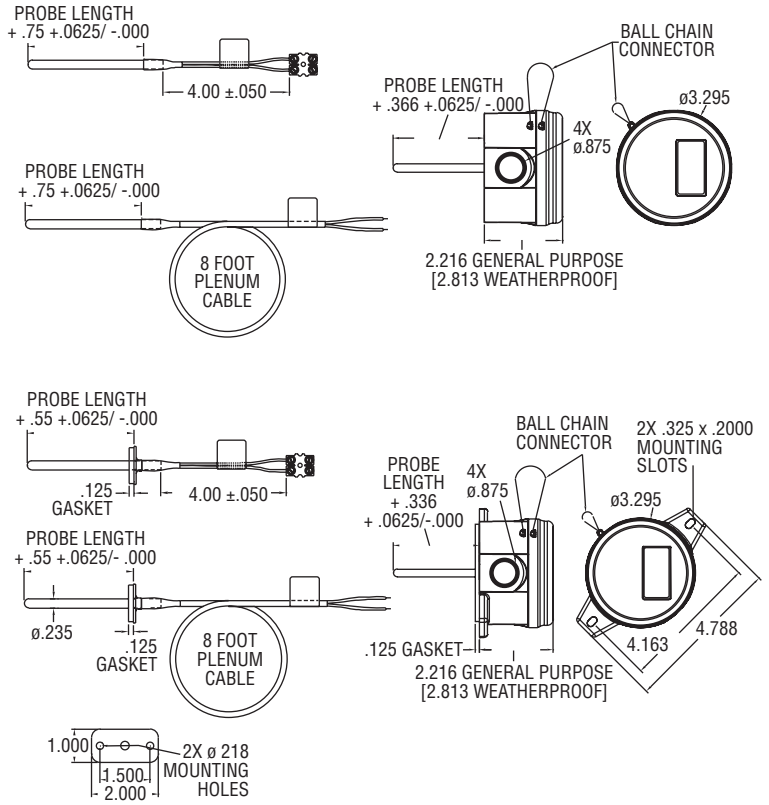




DUCT AND IMMERSION BUILDING AUTOMATION TEMPERATURE SENSORS

Available up to 18" Probe Length, Thermistor or RTD Outputs



Scan here to watch product video

The **SERIES TE** Duct and Immersion Temperature Sensor can be used to monitor air or water temperature throughout a building management system or an air handler unit. Duct or immersion options available with or without an enclosure.

FEATURES/BENEFITS

- Easy to mount external tab housing and flange options for duct applications
- 1/4 turn housing cover with chain to prevent dropping
- Multiple conduit knockouts for easy installation positioning
- 8" plenum rated cable option
- Terminal connector eliminates need for wire nuts

APPLICATIONS

- Building automation
- VAV temperature sensing
- Chiller or boiler loops
- AHU monitoring

SPECIFICATIONS

Accuracy: Thermistor temperature sensor: $\pm 0.22^{\circ}\text{C}$ @ 25°C ($\pm 0.4^{\circ}\text{F}$ @ 77°F); RTD temperature sensor: DIN class A: $\pm 0.15^{\circ}\text{C}$ @ 0°C ($\pm 0.28^{\circ}\text{F}$ @ 32°F).
Temperature Limits: Operating: -40 to 302°F (-40 to 150°C).
Sensor Curves: See page reference **1** below.
Cable Rating: Plenum option includes UL listed plenum cable.
Housing Material: Meets UL, 94 V-O polycarbonate plastic.
Housing Rating: NEMA 4X (IP66) (DFW, IBW only).
Weight: 5.3 oz (150.3 g).

MODEL CHART								
Example	TE	-DFN	-A	04	4	8	-00	TE-DFN-A0448-00
Series	TE							Temperature sensor
Mounting Configuration	DFN							Duct mount probe only
	DFG							Duct mount probe in general purpose housing
	DFW							Duct mount probe in NEMA 4X housing
	IBN							Immersion probe only
	IBG							Immersion probe in general purpose housing
Sensor Type	IBW							Immersion probe in NEMA 4X housing
		A						10k Ω type III thermistor
		B						10k Ω type II thermistor
		C						3k Ω thermistor
		D						Pt100 Ω RTD
Probe Length				25				2.5"
				04				4"
				06				6"
				08				8"
				12				12"
Probe Diameter				18				18" (DFN/DFG Only)
					4			1/4"
						4		4" leads
Termination						8		8" plenum rated cable
							00	None (probe only)
Fittings							12	1/2" NPT compression fitting
							14	1/4" NPT compression fitting

THERMOWELLS - MACHINED		
Model	Length	Connection (Internal/External) (NPT)
TE-TNS-N044N-14	4"	1/4" / 1/2"
TE-TNS-N044N-12	4"	1/2" / 3/4"
TE-TNS-N064N-14	6"	1/4" / 1/2"
TE-TNS-N064N-12	6"	1/2" / 3/4"
TE-TNS-N094N-14	9"	1/4" / 1/2"
TE-TNS-N094N-12	9"	1/2" / 3/4"
TE-TNS-N124N-14	12"	1/4" / 1/2"
TE-TNS-N124N-12	12"	1/2" / 3/4"



For Straight Thermowell Dimensions: See page 229 (Series W)
 Resistance vs. Temperature Table: See page 234 (Series TE-OND/RND/O5A)