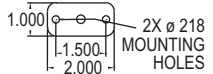
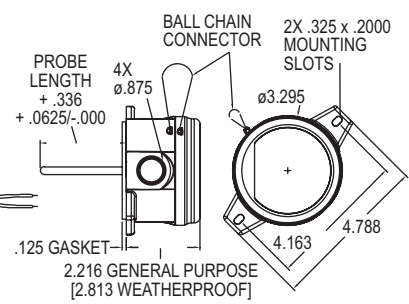
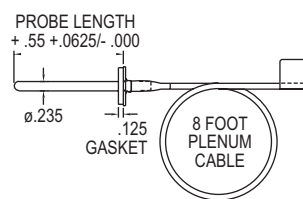
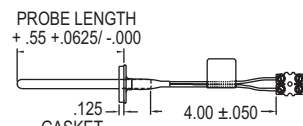
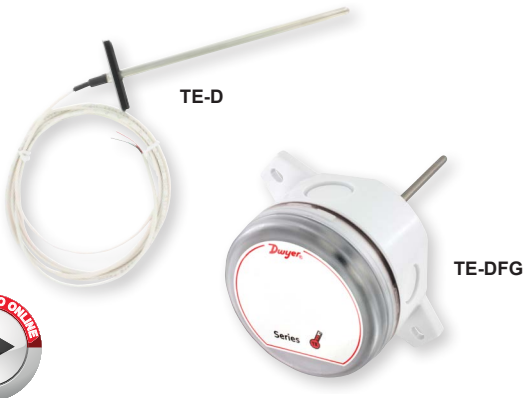
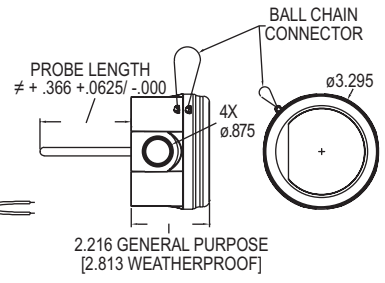
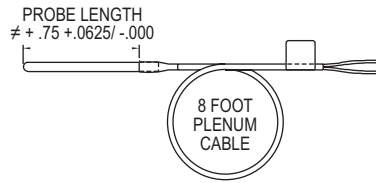
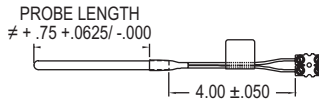


# DUCT AND IMMERSION BUILDING AUTOMATION TEMPERATURE SENSORS

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



The Series TE Duct and Immersion Building Automation Temperature Sensors 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:  $\pm 0.22^{\circ}\text{C}$  @  $25^{\circ}\text{C}$  ( $\pm 0.4^{\circ}\text{F}$  @  $77^{\circ}\text{F}$ ); RTD temperature sensor: DIN class A:  $\pm 0.15^{\circ}\text{C}$  @  $0^{\circ}\text{C}$  ( $\pm 0.28^{\circ}\text{F}$  @  $32^{\circ}\text{F}$ ).

**Temperature Limits:** Operating:  $-40$  to  $302^{\circ}\text{F}$  ( $-40$  to  $150^{\circ}\text{C}$ ).

**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).

**Agency Approvals:** Meets the technical requirements of EU Directive 2011/65/EU (RoHS II).

MODEL CHART								
Example	TE	-DFN	-A	04	4	8 -00	TE-DFN-A0448-00	Price
Series	TE						Temperature sensor	-
Mounting Configuration	DFN						Duct mount probe only	\$7.30
	DFG						Duct mount probe in general purpose housing	13.00
	DFW						Duct mount probe in NEMA 4X housing	15.50
	IBN						Immersion probe only	7.30
	IBG						Immersion probe in general purpose housing	13.00
Sensor Type			A				10k $\Omega$ type III thermistor	-
			B				10k $\Omega$ type II thermistor	-
			C				3k $\Omega$ thermistor	+1.50
			D				Pt100 $\Omega$ RTD	+3.00
			E				Pt1000 $\Omega$ RTD	+3.00
Probe Length							2.5"	-
							4"	-
							6"	-
							8"	-
							12"	-
Probe Diameter							18" (DFN/DFG only)	+3.00
				4			1/4"	-
Termination					3		4" leads with spade connectors	+1.65
					4		4" leads	-
					7		8' plenum rated cable with spade connectors	+3.65
					8		8' plenum rated cable	+2.00
Fittings						00	None (probe only)	-
						12	1/2" NPT compression fitting	+4.00
						14	1/4" NPT compression fitting	+2.00

Resistance vs. Temperature Table: See page 162 (Series TE-OND/RND/OSA)