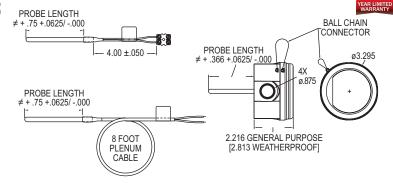


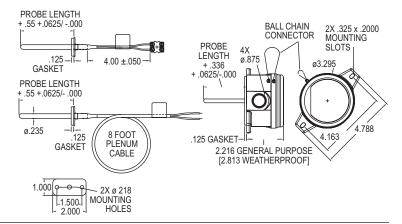
DUCT AND IMMERSION BUILDING AUTOMATION TEMPERATURE SENSORS

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

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: ±0.22°C @ 25°C (±0.4°F @ 77°F); RTD

temperature sensor: DIN class A: ±0.15°C @ 0°C (±0.28°F @ 32°F). Temperature Limits: Operating: -40 to 302°F (-40 to 150°C).

Sensor Curves: See page reference • below.

Cable Rating: Plenum option includes UL listed plenum cable.

Housing Material: Meets UL, 94 V-0 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

Temperature sensor Description Duct mount probe only Duct mount probe in general purpose housing Immersion probe in NEMA 4X housing Immersion probe i	MODEL CHART									
DFN DFG DFW IBN	Example			-A	04	4	8	-00	TE-DFN-A0448-00	
DFG DFW IBN IBN IBG IBW Duct mount probe in general purpose housing Duct mount probe in NEMA 4X housing Immersion probe only Immersion probe in NEMA 4X housing Immersion probe in NEMA 4X	Series	TE							Temperature sensor	
DFW IBN IBN IBG Duct mount probe in NEMA 4X housing Immersion probe only Immersion probe in NEMA 4X housing Immersion probe in NEMA 4X housing Sensor Type A B IBW 10k Ω type III thermistor 10k Ω type II thermistor 10k Ω type II thermistor 9 Pt100 Ω RTD Pt1000 Ω RTD Pt1000 Ω RTD Pt1000 Ω RTD 20k Ω thermistor 10k Ω type III with 11k Ω shunt Probe Length 25 04 4" 4" 4" 4" 4" 4" 4" 12" 12" 12" 18 Probe Diameter 4 1/4" double encapsulated Termination 3 4" leads with spade connectors 4" leads 7" plenum rated cable with spade connectors 8" plenum rated cable with spade connectors 8" plenum rated cable	Mounting		DFN						Duct mount probe only	
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IBW Immersion probe in NEMA 4X housing			IBN						Immersion probe only	
Sensor Type A B C C B B C C D D D D D D D D D D D D D										
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E Pt1000 Ω RTD 20k Ω thermistor 20k Ω thermistor 10k Ω type III with 11k Ω shunt 25 2.5" 04 4" 06 6" 08 8" 12 12" 18 18" (DFN/DFG only) Probe Diameter 4 1/4" 5 1/4" double encapsulated Termination 3 4" leads with spade connectors 4" leads with spade connectors 4" leads with spade connectors 7 8' plenum rated cable with spade connectors 8' plenum rated cable				_						
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7 8' plenum rated cable with spade connectors 8 8' plenum rated cable	Termination									
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Fittings 00 None (probe only)	Fittings						Ť	00	None (probe only)	
12 1/2" NPT compression fitting	90									
14 1/4" NPT compression fitting										

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