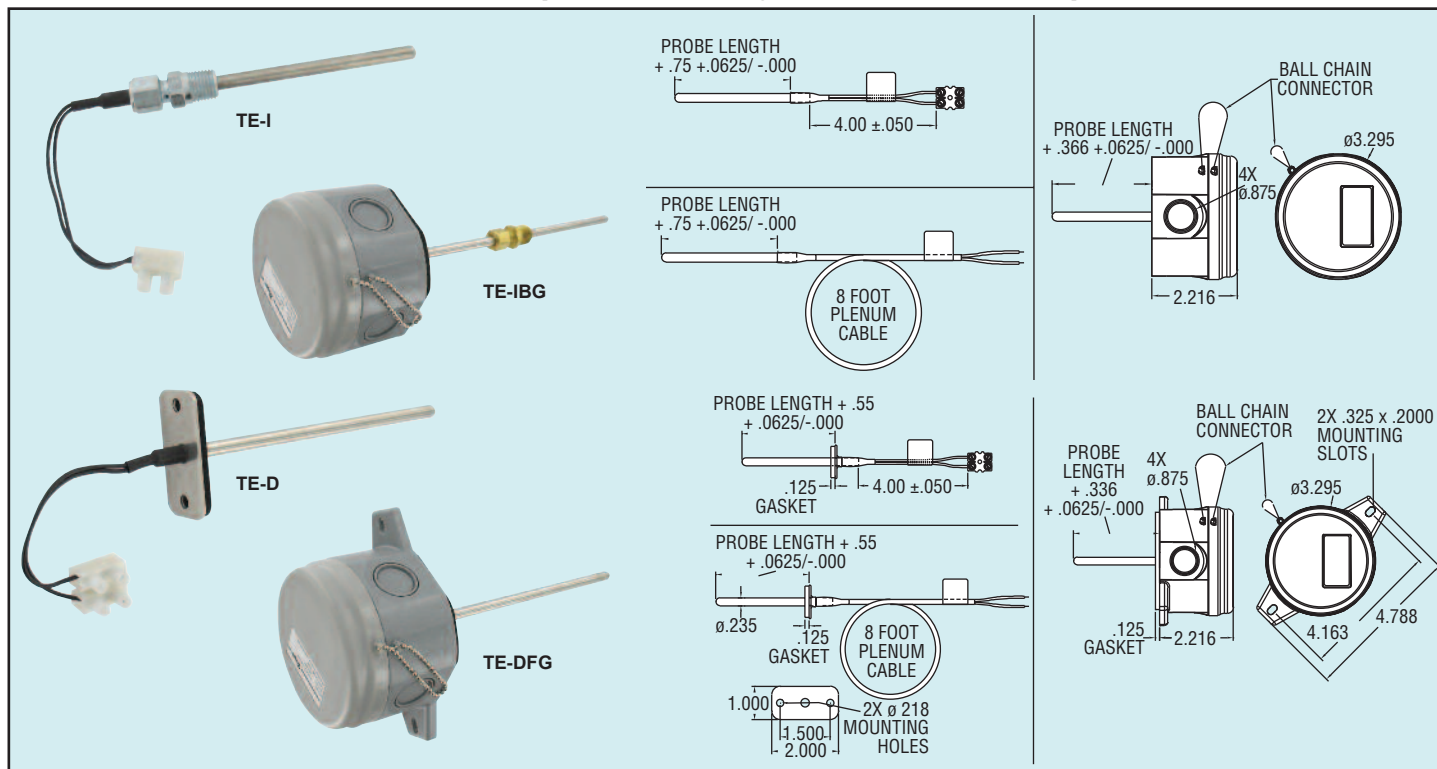




Series
TE

Duct and Immersion Building Automation Temperature Sensors

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



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. Flanged duct sensors monitor the supply or return air and provide a thermistor or RTD output to the digital controller. Immersion sensors which are supplied with compression fittings are typically used to monitor the hot or chilled water lines throughout a building. Thermowells are recommended, but not required on the immersion sensors.

For variable air volume applications, the Series TE can be configured to have 8 plenum rated cable with flying leads. Standard units come with 4" leads with an integral terminal block to eliminate carrying extra wire nuts. For housing models, multiple knockouts provide easy conduit access to any side of the housing. The 1/4 turn lid comes with a chain to prevent it from being lost during installation.

SPECIFICATIONS

Accuracy:

Thermistor temperature sensor: $\pm 0.2^{\circ}\text{C}$ @ 25°C ($\pm 0.36^{\circ}\text{F}$ @ 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 resistance vs. temperature table.

Cable Rating: Plenum option includes UL listed plenum cable.

Housing Material: Meets UL, 94 V-O polycarbonate plastic.

Weight: 5.3 oz (150.3 g).

Example	TE	-DFN	-A	04	4	8	-00	TE-DFN-A0448-00	Price
Series	TE							Temperature Sensor	
Mounting Configuration		DFN						Duct Mount Probe Only	\$7.00
		DFG						Duct Mount in Housing	12.50
		IBN						Immersion Probe Only	7.00
		IBG						Immersion Probe in Housing	12.50
Sensor Type			A					10K Ohm Type III Thermistor	-
			B					10K Ohm Type II Thermistor	-
			C					3K Ohm Thermistor	+1.50
			D					Pt100 Ohm RTD	+3.00
			E					Pt1000 Ohm RTD	+3.00
			F					20K Ohm Thermistor	-
									-
Probe Length				25				2.5"	-
				04				4"	-
				06				6"	-
				08				8"	-
				12				12"	-
				18				18"	-
								18" (DFN/DFG Only)	+3.00
Probe Diameter					4			1/4"	-
Termination						4		4" leads	-
						8		8" Plenum Rated Cable	+2.00
Thermowell Connection							00	Probe only	-
							12	1/2" NPT Compression Fitting	+4.00
							14	1/4" NPT Compression Fitting	+2.00

Thermowells

Model	Length	Connection (Internal/External) (NPT)	Price
TE-TNS-N044N-14	4"	1/4" / 1/2"	\$13.25
TE-TNS-N044N-12	4"	1/2" / 3/4"	13.25
TE-TNS-N064N-14	6"	1/4" / 1/2"	15.75
TE-TNS-N064N-12	6"	1/2" / 3/4"	15.75
TE-TNS-N094N-14	9"	1/4" / 1/2"	27.00
TE-TNS-N094N-12	9"	1/2" / 3/4"	25.50
TE-TNS-N124N-14	12"	1/4" / 1/2"	39.25
TE-TNS-N124N-12	12"	1/2" / 3/4"	37.50