



ET SERIES

Thermistor Temperature Sensors

Tour Andover Controls' ET Series of temperature sensors are thermistor type sensors. These sensors provide a predictable output over a specified temperature range.

Thermistors offer high accuracy and interchangeability over a wide temperature range. The thermistors higher resistance relative to Platinum RTD's, creates a larger signal with the same measuring current, negating most lead wire resistance problems and eliminating the need for signal conditioners.

These units are offered in Room, Room with SetPoint, Room with Override, Room with Setpoint and Override, and Room w/ Setpoint, Override, and RJ11 Jack, Stainless Steel Duct and Duct without Box, Immersion, Stainless Plate, Raw, Bendable Copper and Stainless Steel Rigid Averaging, Strap-On, Bullet Probe and Outdoor Air Configurations. Indication stickers for setpoint include Cool / Warm, 55°F to 85°F, and 10 to 30°C. Others are available upon request.

Override options include a N/O switch in parallel with the sensor or a separate 2 pole terminal block for Tenant override.

All ET Series sensors can be ordered with an optional 4-pin RJ11 or 1/8" RS232 stereo communication jack with terminal blocks for remote programming. Room sensors can also be supplied with an LCD or LED display or Thermometer Indicator.

All units come with a two year factory warranty.

Applications

- Space
- Duct
- Immersion
- Averaging
- Strap-On
- Bead/Bullet
- Outdoor Air

Features

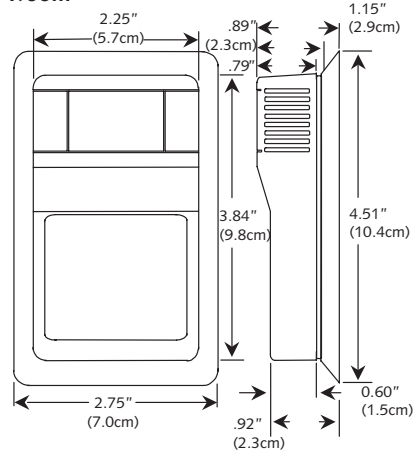
- Accuracy of 2%
- Temperature options (1.8K Ohm, 10K Type 2 and 10K Type 3)
- Highly stable RH sensor element
- Field selectable 4-20mA, 0-10V and 0-5V signal outputs
- Integral zero and span adjustments
- Installer friendly wiring access
- Highest quality double-sided FR4 PCB's

SPECIFICATIONS

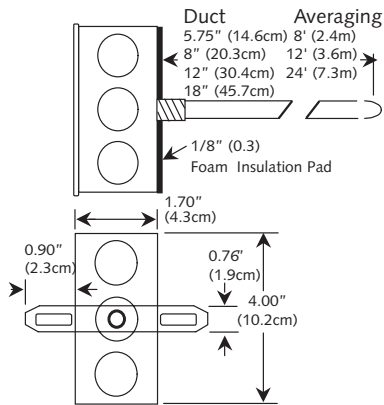
Output	10K Ohms @ 77°F(25°C) Type III
Temperature Range	-40 to 302°F (-40 to 150°C)
Interchangeability	+/- 0.2°C (0 to 70°C)
Dissipation Constant Stability	3 mW / °C
Accuracy	+/- 0.2°C (0 to 70°C)
Operating Humidity	0 to 90% RH non-condensing

DIMENSIONAL DRAWINGS

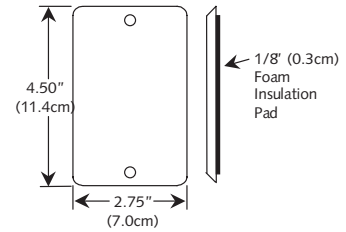
Room



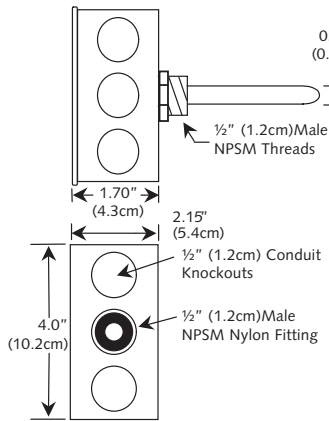
Duct / Averaging



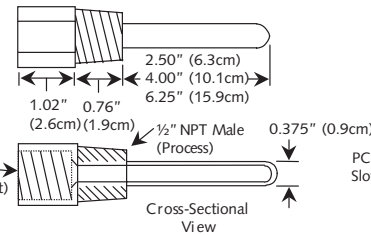
Stainless Plate



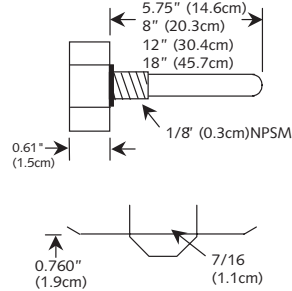
Immersion



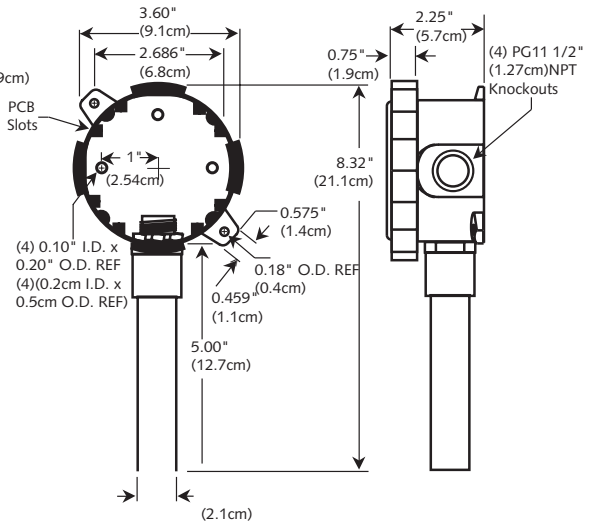
Thermowell



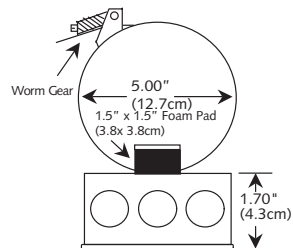
Duct without Box



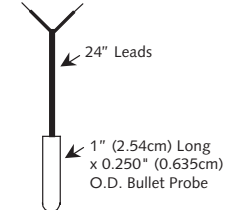
Outside Air



Strap-On



Bullet Probe



ORDERING INSTRUCTIONS

Model	Product Description			
ET	Temperature Sensor			
	Style	Code for use with TAC Vista	Code for use with I/NET	Code for use with <i>Continuum</i>
	Room	R100	R200	R500
	Room with Setpoint	R101	R201	R501
	Room with Override Pushbutton	R102	R202	R502
	Room with Setpoint & Override Pushbutton	R103	R203	R503
	Wallplate (Stainless Steel)	P100	P200	P500
	4" Duct	D100-4	D200-4	D500-4
	6" Duct	D100-6	D200-6	D500-6
	8" Duct	D100-8	D200-8	D500-8
	12" Duct	D100-12	D200-12	D500-12
	4" Duct without Enclosure	D100-NE-4	D200-NE-4	D500-NE-4
	6" Duct without Enclosure	D100-NE-6	D200-NE-6	D500-NE-6
	8" Duct without Enclosure	D100-NE-8	D200-NE-8	D500-NE-8
	12" Duct without Enclosure	D100-NE-12	D200-NE-12	D500-NE-12
	4" Immersion (order well separately)	I100-4	I200-4	I500-4
	6" Immersion (order well separately)	I100-6	I200-6	I500-6
	8 Ft. Averaging	A100-8	A200-8	A500-8
	12 Ft. Averaging	A100-12	A200-12	A500-12
	24 Ft. Averaging	A100-24	A200-24	A500-24
	Outside Air	O100	O200	O500
	Strap On	S100	S200	S500
	Bead/Bullet	B100	B200	B500
		Misc. Option		Code
		LCD Display		-LCD
		LED Display		-LED
		Thermometer Indicator		-TI
		RS232 Comm Jack (for use with I/NET systems only)		-RS232
		4-Pin RJ11 Comm Jack (for use with TAC Vista and Continuum systems only)		-RJ4

		Well Type (order well separately)	Part No.
		4" Stainless Steel Well	ETI-WELL-4S
		4" Brass Well	ETI-WELL-4B
		6" Stainless Steel Well	ETI-WELL-6S

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ETDS.1



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