

Semiconductor Type Temperature Sensors



I/34 Series



Product Description

The I/34 Series semiconductor type temperature sensors provide accurate temperature measurement that is linear and proportional to Degrees Fahrenheit.

The I/34 sensor provides a -400 to 2300 mV output throughout the temperature range of -40 to 230°F.

These units are offered in Room, Room with Setpoint, Room with Override, Room with Setpoint and Override, Duct, Immersion, Stainless Plate, Raw, Strap-On, and Outside Air configurations.

Setpoint options include a linear 400 Ohm, 1K, 2K, 5K, 8.5K, 10K, 20K, and 100K slide potentiometer and any offset resistor in series.

These may be ordered as either Direct or Reverse Acting.

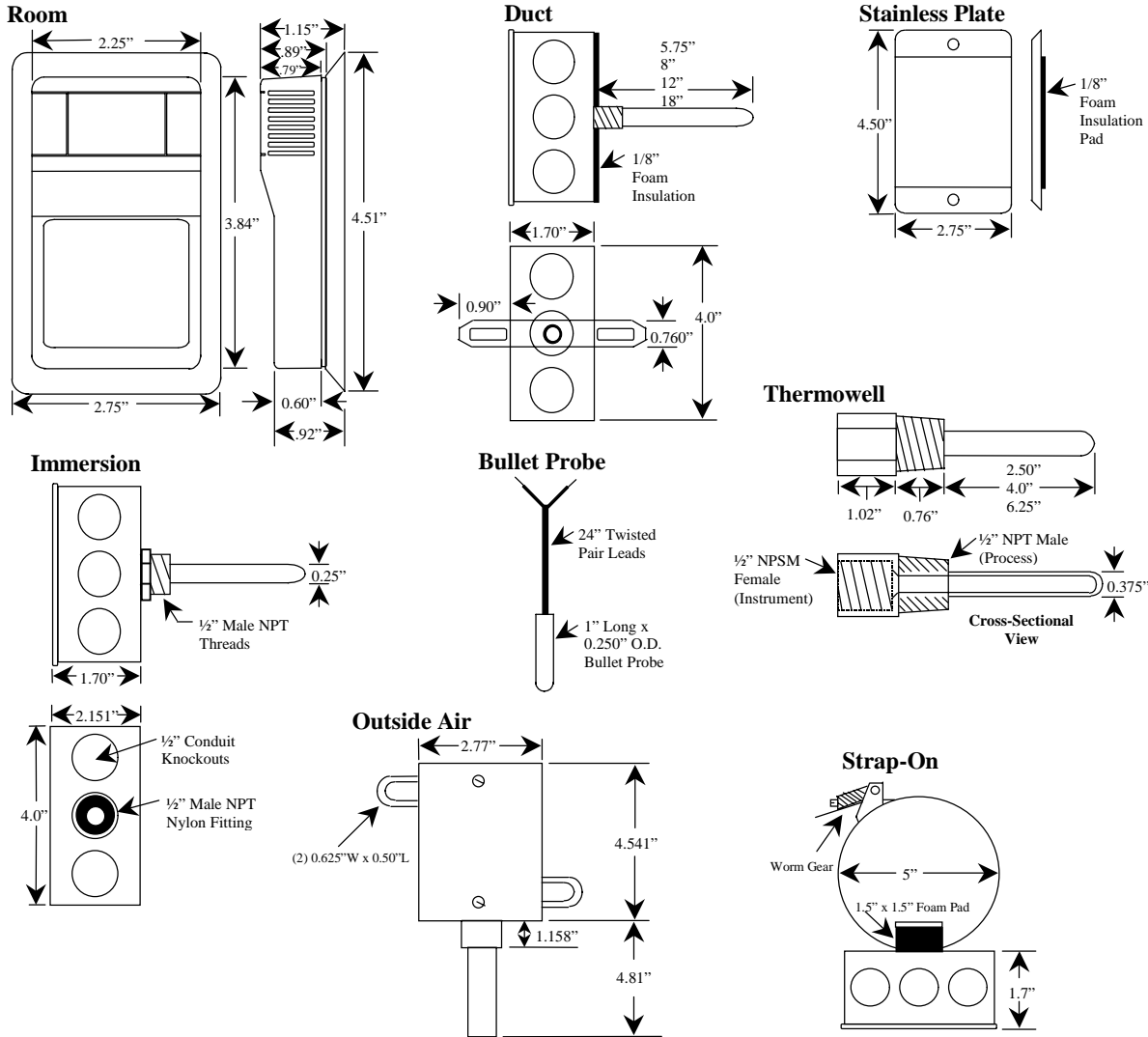
Override options include a normally open switch in parallel with the sensor or a separate two-pole terminal block for Tenant override.

Custom configurations are available upon request.

Product Specifications

Supply Voltage	+5 to 30 VDC	Temperature Range	-40 to 230°F (-40 to 110°C)
Output	3 wire, -400 to 2300 mV	Temperature Coefficient	10 mV/°F or 18 mV/°C
Accuracy	+/- 1.0°F @ 77°F (+/- 0.55°C @ 25°C)		

Dimensions



Ordering Information

	Sensor	Configuration	Pot Value	Pot Action	Setpoint Indicator
I /	[]	[]	[]	[]	[]
	↑	↑	↑	↑	↑
	34	(R) Room	400 Ohm	DA (Direct)	Cool Warm
		(RO) Room w/ Override	1K	RA (Reverse)	55 to 85
		(RS) Room w/ Setpoint	2K		10 to 30°C
		(RSO) Room w/ Setpoint, Override	5K		Specify
		(D) Duct - 4", 8", 12", 18"	8.5K		
		(I) Immersion 2.5", 4", 8"	10K		
		(S) Strap-On	20K		
		(O) Outside Air	100K		
		(SP) Stainless Plate			
		(RP) Remote Probe			

Example: I/34 -RSO -1K -DA -Cool|Warm or I/34 -D -8"