Product Data Sheet

Combination Zone Sensors

Trane™ relative humidity and temperature sensors utilize a polymer capacitive-sensing element for reliable sensing accuracy and superb recovery from saturation. Temperature output is provided by a 10 kΩ, Type II thermistor. Both sensors are housed in a common enclosure for reduced installation costs and improved appearance.

Features, Benefits, and Part Number:

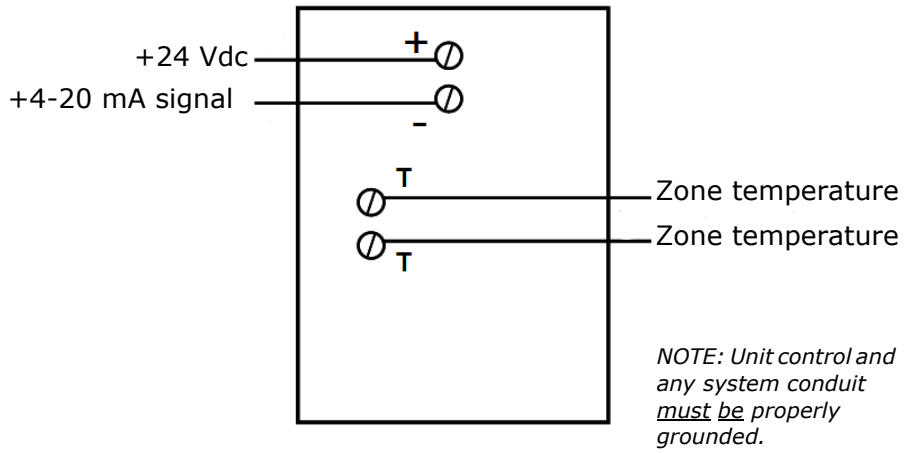
Features	Benefits
Two sensors in one enclosure	Reduces installation costs and improved building aesthetics
High accuracy	Reduces energy costs and improves environmental control and comfort
Maintenance-free design	Reduces field calibration and maintenance costs
Polymer capacitive element	Superb recovery from saturation reduces maintenance and downtime
Trane wall enclosure	Consistent enclosure design improves building aesthetics

Model Description		Part Number	BAYSENS	Global Parts
Sensors	3% Relative Humidity and Temperature	X1379044401	BAYSENS036A	SEN01561

Specifications

Description	
Sensor operating temperature	From -20°F to 140°F (-29°C to 60°C)
Storage temperature	From -85°F to 158°F (-65°C to 70°C)
Operating humidity range	From -40°F to 185°F (-40°C to 85°C)
Storage/operating humidity range	99% relative humidity (RH), noncondensing
Accuracy	±3% RH over 20% to 95% RH at 77°F (25°C) and includes hysteresis, linearity, and repeatability
Hysteresis	Less that 1% RH
Repeatability	0.5% RH
Sensitivity	0.1% RH
Thermistor resistance	10 kΩ at 77°F
Temperature accuracy	±0.36°F (±0.2°C)
Supply voltage	18 to 36 Vdc
Output characteristics	4-20 mA for 0% to 100% RH
Drift rate	Less that 1% per year
Sensing element	Polymer capacitive
Mounting	Fits a standard 2 in. by 4 in. junction box (vertical mount only). Mounting holes are spaced 3.2 in. (83 mm) apart on vertical center line. Includes mounting screws for junction box or wall anchors for sheet-rock walls. Overall dimensions: 2.9 in (74 mm) by 4.7 in. (119 mm)

Schematic (Typical)



NOTE: Unit control and any system conduit must be properly grounded.

www.trane.com

For more information, contact your local Trane office or e-mail us at comfort@trane.com

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