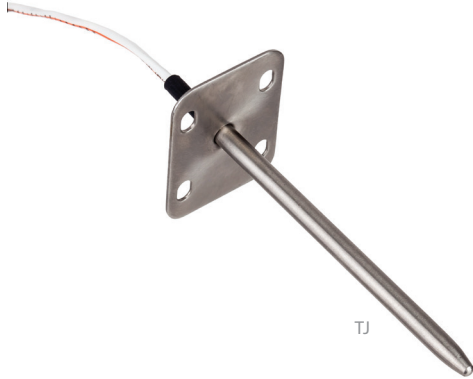


## TJ SERIES

VAV Discharge Air Sensor for Reheat Applications



The TJ Series temperature sensors are highly accurate and cost effective, with trouble-free installation. The sensor is encased in a sturdy corrosion-resistant stainless steel probe. A variety of RTD/thermistor sensor and probe length options are available for maximum versatility in applications.

### SPECIFICATIONS

Wiring	22 AWG; 2-wire: RTD/Thermistor
Probe	Stainless steel
Operating Temp	-25 to 105 °C (-13 to 221 °F)

#### LINITEMP OPTION

Input Power	Class 2; 5 to 30 Vdc
Output	10mV/°C
Operating Temp	-25 to 105 °C (-13 to 221 °F)
Calibration Offset	1.5 °C (2.7 °F) typical; 2.5 °C (4.5 °F) max. at 25 °C (77 °F)*
Offset over Temp	1.8 °C (3.24 °F) typical; 3.0 °C (5.4 °F) max. over 0 to 70 °C (32 to 158 °F) range; 2.0 °C (3.6 °F) typical, 3.5 °C (6.3 °F) max. over -25 to 105 °C (-13 to 221 °F) range

#### WARRANTY

Limited Warranty	5 years
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Increased cable length affects the readings of lower resistance RTDs (100R platinum, RTD).  
\* Room temperature offset documented on each unit.

Note: See page 202 for thermistor table.

## Easy installation

Stainless steel duct probe with mounting flange

## Two wires

2-wire installation (optional quick disconnect)...installs in minutes

## VAV systems

Installation-ready for VAV systems and plenum areas...saves money on job commissioning and warranty service

## Plenum rated

Plenum rated cable standard

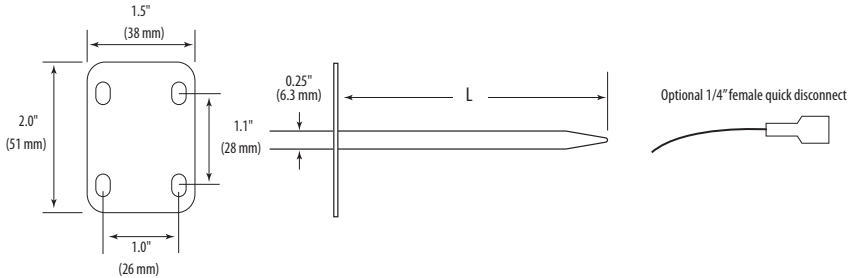
## Application flexibility

4" or 8" (102 mm or 204 mm) duct probes

### APPLICATIONS

- VAV reheat boxes
- Dual duct boxes
- Fan coils
- Prove that hot water valve or electric heat is functioning properly
- Check individual reheating stages
- Check for hot water valve leaks
- Determine if damper actuators are functioning on dual duct boxes

**DIMENSIONAL DRAWING**



**ORDERING INFORMATION**

<p>Probe Length "L"</p> <p>TJ <input type="checkbox"/></p> <p>B = 4" (102mm) D = 8" (204mm)</p>	<p>Sensor Type</p> <p><input type="checkbox"/></p> <p>B = 100R platinum, RTD C = 1k platinum, RTD D = 10k T2, Thermistor E = 2.2k, Thermistor F = 3k, Thermistor G = 10k CPC, Thermistor H = 10k T3, Thermistor I = 1k Balco (Nickel-iron) RTD J = 10k Dale, Thermistor K = 10k w/11k shunt, Thermistor M = 20k NTC, Thermistor N = 1800 ohm, Thermistor P = 10mV/°C, Linitemp R = 10k US, Thermistor S = 10k 3A221, Thermistor T = 100k, Thermistor U = 20k "D", Thermistor W = 10k T2 high accuracy, Thermistor Y = 10k T3 high accuracy, Thermistor</p>	<p>Output</p> <p><input type="checkbox"/> R</p> <p>= Resistive</p>	<p>Cal Certificate</p> <p><input type="checkbox"/></p> <p>0 = None 1 = 1-point cal validation* 2 = 2-point cal validation*</p>	<p>Option</p> <p><input type="checkbox"/></p> <p>0 = Standard 5 ft. cable, No QDs 1 = 1/4" Female Quick Disconnects (QD) 2 = 1/4" QDs with 8 ft. leadwires 3 = 10 ft. cable, no QDs</p>
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Example:

TJ  B  D  R  2  1

\*Not available with W and Y high-accuracy thermistors.

