V VERIS

TJ

TJ Series

VAV Discharge Temperature Sensor

Product Overview

The TJ Series temperature sensor is designed for VAV systems. The cable is plenum rated, and the probe is stainless steel for durability. The TJ is warranted for a period of five years.

NOTICE

- **This product is not intended for life or safety applications.**
- **Do not install this product in hazardous or classified locations.**
- **Read and understand the instructions before installing this product.**
- **Turn off all power supplying equipment before working on it.**
- **The installer is responsible for conformance to all applicable codes.**

If this product is used in a manner not specified by the manufacturer, the protection provided by the product may be impaired. No responsibility is assumed by the manufacturer for any consequences arising out of the use of this material.

Product Identification

Probe Length	*Sensor Type*		*Output*	*Cal Certificate*	*Option*
TJ ☐	☐		R	☐	☐

B = 4" (102 mm)	B = 100R platinum, RTD	= Resistive
D = 8" (204 mm)	C = 1k platinum, RTD	
	D = 10k T2, Thermistor	
	E = 2.2k, Thermistor	
	F = 3k, 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	
	W = 10k T2 high accuracy, Thermistor	
	Y = 10k T3 high accuracy, Thermistor	

Cal Certificate
0 = None
2 = 3-Point NIST calibration

Option
0 = Standard 5 ft. cable, no QDs
1 = 1/4" Female Quick Disconnects (QD)
2 = 1/4" QDs with 8 ft. lead wires
3 = 10 ft. cable, no QDs

Specifications
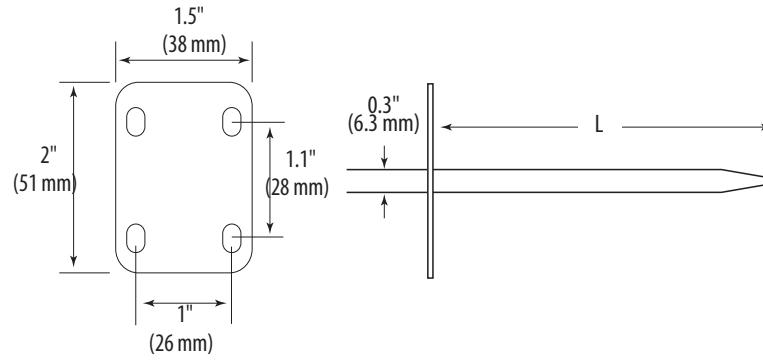
Wiring	22 AWG; 2-wire RTD/Thermistor
Probe	Stainless steel
Operating Temperature	Probe: -25° to 105 °C (-13 to 221 °F) Wiring side: Up to 75 °C (167 °F)
WARRANTY	
Limited Warranty	5 years

Notes:
Increased cable length affects the readings of lower resistance RTDs (100R platinum RTD).
Room temperature offset documented on each unit.

Dimensions

Optional 1/4" female quick disconnect

Installation

1. Remove adhesive covering from foam gasket.

2. Push probe through hole in gasket until gasket adheres to underside of mounting flange.

3. Drill a 3/8" diameter hole in the duct for the sensor probe.

4. Mount flange to duct using screws provided.

5. Wire as shown.

Thermistor
RTD