TK

TK Series
Ceiling Mounted Temperature Probe

Product Overview

TK ceiling mounted temperature sensors monitor the temperature of the air in a duct. The design includes a pre-calibrated sensor housed in a sturdy stainless steel probe with no junction box. The TK has a resistive output compatible with building control systems. It is warranted to meet accuracy specifications 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

TK	*Probe Length*	*Sensor Type*	*Output*	*Cal Certificate*
	☐	☐	**R0**	☐

Output = Resistive

Probe Length
B = 4 1/2" (115 mm)
C = 6" (153 mm)
D = 8" (203 mm)
R = 14" (356 mm)

Sensor Type
B = 100R platinum, RTD
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
T = 100k, Thermistor

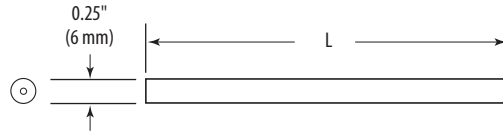**Cal Certificate**
0 = None
2 = 3-Point NIST calibration

Specifications

Wiring	22 AWG; 2-wire RTD/Thermistor
Housing	Stainless steel
Operating Temp. Range	-25 to 105 °C (13 to 221 °F)
ACCURACY	
Calibration Error	1.5 °C (2.7 °F) typical; 2.5 °C (4.5°F) max. at 25 °C (77 °F)
Error over Temperature	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

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

Dimensions

0.25"
(6 mm)

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Installation

1. Mount probe using the Veris AA64 or similar mounting clip.

2. Wire as shown below.

Thermistor
RTD

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