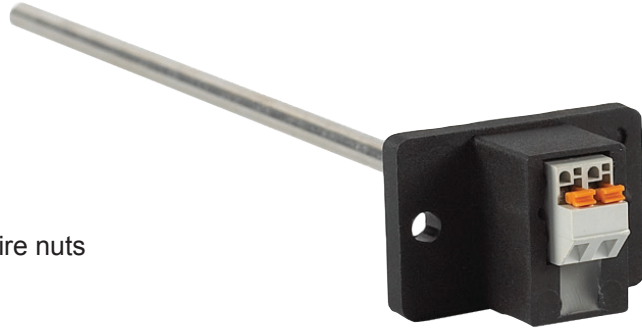


# **Q-DUCT FLANGE**

## Duct / VAV Temperature Sensor

### FEATURES

- Durable injection-molded plastic mounting flange
- Available in 4" / 6" / 8" / 12" / 18" lengths
- AISI 316 stainless steel temperature probe
- Patent Pending Quick Connect System eliminates wire nuts
- Installed anti-vibration pad on flange
- NTC thermistors and RTD elements available
- Compatible with any Control System
- CE & RoHS compliant
- 5 Year Limited Warranty
- Made in the USA



### GENERAL INFORMATION

High quality universal Duct Temperature Sensor with injection-molded plastic flange and stainless steel AISI 316 probe provides a low-cost solution for both commercial and industrial applications where a sensor enclosure is not required.

Available measuring elements interface with all major control manufacturers. Accurate thermistors and RTD's ensure low drift and are double encapsulated to guarantee the highest reliability.

The installed, high quality, closed cell foam ensures sealing of the probe insert and absorption of vibration. The patent pending Quick Connect System makes installation easy and reduces installation costs.

A VAV-version with plenum rated cable and connectors is available.

### SPECIFICATIONS

Mounting: Injection-molded 30% glass-filled nylon flange with two integrated # 8 mounting holes

Probe Length: 4" / 6" / 8" / 12" / 18"

Probe Material: 6mm ( $\pm$  1/4") AISI 316 stainless steel

Connection: 2-pole AWG 22-16 / 0.35 - 1.5mm<sup>2</sup> spring-loaded, Patent Pending Quick Connect System  
VAV-version with AWG 22 plenum rated cable and 1/4" connectors

Sensor Element: Interchangeable NTC thermistor, 2-wire  
RTD Pt1000, 2-wire  
Ni1000-891, 2-wire

## SPECIFICATIONS CONT.

Sensor Value: NTC 10KOhm type 2 @ 25°C / 77°F  
NTC 10KOhm type 3 @ 25°C / 77°F  
NTC 20KOhm @ 25°C / 77°F  
NTC 3KOhm @ 25°C / 77°F  
RTD Pt1000 1000Ohm @ 0°C / 32°F  
RTD Ni1000-891 891Ohm @ 0C/32 F  
(Other elements on request)

Accuracy: NTC thermistor 0...70°C ± 0.2°C / 32...158°F ± 0.36°F  
Pt1000 Class B IEC751, ± 0.3°C / ± 0.5°F @ 0°C / 32°F  
Ni1000 DIN 43760, ± 0.5°C / ± 0.9°F @ 0°C / 32°F

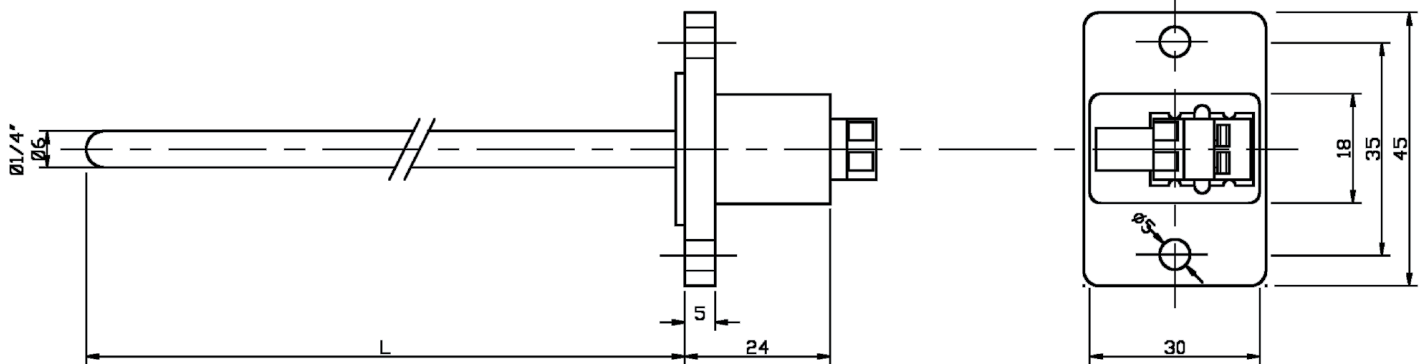
Range: -40...105°C / -40...221°F

Approval: CE & RoHS compliant

Warranty: 5 year limited warranty

Accessories: VAV plenum rated AWG 22 cable with 1/4" connectors 6' / 9' / 12'

## DIMENSIONS (in mm)



## ORDERING INFORMATION

<b>Part #</b>	<b>10K type 2</b>
THTDFA04	Q-Duct Flange 10K type 2, 4" Probe
THTDFA06	Q-Duct Flange 10K type 2, 6" Probe
THTDFA08	Q-Duct Flange 10K type 2, 8" Probe
THTDFA12	Q-Duct Flange 10K type 2, 12" Probe
THTDFA18	Q-Duct Flange 10K type 2, 18" Probe

<b>Part #</b>	<b>10K type 3</b>
THTDFB04	Q-Duct Flange 10K type 3, 4" Probe
THTDFB06	Q-Duct Flange 10K type 3, 6" Probe
THTDFB08	Q-Duct Flange 10K type 3, 8" Probe
THTDFB12	Q-Duct Flange 10K type 3, 12" Probe
THTDFB18	Q-Duct Flange 10K type 3, 18" Probe

<b>Part #</b>	<b>20K</b>
THTDFC04	Q-Duct Flange 20K, 4" Probe
THTDFC06	Q-Duct Flange 20K, 6" Probe
THTDFC08	Q-Duct Flange 20K, 8" Probe
THTDFC12	Q-Duct Flange 20K, 12" Probe
THTDFC18	Q-Duct Flange 20K, 18" Probe

<b>Part #</b>	<b>3K</b>
THTDFD04	Q-Duct Flange NTC 3K, 4" Probe
THTDFD06	Q-Duct Flange NTC 3K, 6" Probe
THTDFD08	Q-Duct Flange NTC 3K, 8" Probe
THTDFD12	Q-Duct Flange NTC 3K, 12" Probe
THTDFD18	Q-Duct Flange NTC 3K, 18" Probe

<b>Part #</b>	<b>Pt1000/B</b>
THTDFE04	Q-Duct Flange Pt1000, 4" Probe
THTDFE06	Q-Duct Flange Pt1000, 6" Probe
THTDFE08	Q-Duct Flange Pt1000, 8" Probe
THTDFE12	Q-Duct Flange Pt1000, 12" Probe
THTDFE18	Q-Duct Flange Pt1000, 18" Probe

<b>Part #</b>	<b>Ni1000-891</b>
THTDFF04	Q-Duct Flange Ni1000, 4" Probe
THTDFF06	Q-Duct Flange Ni1000, 6" Probe
THTDFF08	Q-Duct Flange Ni1000, 8" Probe
THTDFF12	Q-Duct Flange Ni1000, 12" Probe
THTDFF18	Q-Duct Flange Ni1000, 18" Probe

<b>Part #</b>	<b>Optional VAV Plenum Rated Cable</b>
THTXVA06	6' Length with 1/4" Connectors
THTXVA09	9' Length with 1/4" Connectors
THTXVA12	12' Length with 1/4" Connectors

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