

NCSTED1 Duct Temperature Sensor



Product Description

Duct Temperature Sensor

The NCSTED1 duct temperature sensor is an accurate NTC10 type temperature detector, designed for temperature measurement of air ducts. Temperature is detected by an NTC thermistor with nominal resistance of 10 k Ω /25°C.

Applications

The sensor is designed for single point monitoring of air temperature inside ducts. The rigid stainless steel probe and the enduring ABS casing make the sensor suitable for any HVAC application. The probes provide excellent heat transfer, fast response and resistance to moisture penetration.

Installation

The duct type probes are installed in the side of the duct to monitor a single point temperature within the duct. Install the probe in a straight section of duct at a suitable distance downstream from any heating, cooling or humidification devices.

Technical Information

Sensor Type:	10 k Ω Thermistor
Nominal Resistance:	10 k Ω / 25 °C
Range:	-40 ... 125 °C
Accuracy:	\pm 0.2 °C / 25°C
Probe Lengths:	101.6 mm (4") 152.4 mm (6"), default length 203.2 mm (8") 304.8 mm (12")
Probe Material:	Stainless Steel 304
Enclosure Material:	ABS plastic
Protection Class:	IP65

Features & Benefits

- ▶ Duct Type Temperature Sensor
- ▶ Accurate NTC10 Type Thermistor with Nominal Resistance of 10 k Ω / 25°C.
- ▶ Optional Probe Lengths
- ▶ Suitable for any HVAC Application

Temperature / Resistance Table

C	NTC 10 / Ω	C	NTC 10 / Ω
120	389.0	25	10000.0
100	679.0	20	12493.0
90	916.0	15	15714.0
80	1256.0	10	19903.0
75	1480.0	5	25395.0
70	1751.0	0	32650.0
65	2082.0	-5	42314.0
60	2487.0	-10	55298.0
55	2985.0	-15	72895.0
50	3601.0	-20	96974.0
45	4366.0	-25	130243.0
40	5324.0	-30	176683.0
35	6530.0	-40	335671.0
30	8056.0		

Ordering Codes

NCSTED1

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