TG-K3/NTC10-01

Duct sensor with cable

Temperature sensor with NTC10 element for air temperature measurement in ventilation ducts.

Duct sensor with cable for mounting in ventilation ducts.

The sensor is compatible with Aquatrol, Johnson Controls, Satchwell, Trend, Cylon and Honeywell.

- **Adjustable insertion length**
- **Supplied with 1.5 m cable**
- **Simple and quick installation**
- **IP20**

Technical data

Temperature range	-30...+70°C
Compatible with	Aquatrol, Johnson Controls, Satchwell, Trend, Cylon, Honeywell
Sensor element	NTC 10k3A1, 10 kΩ/25°C
Cable length	1.5 m
Insertion length	15...140 mm
Time constant	50 s
Protection class	IP20

Material

Pipe	ABS, top PA6
Mounting plate	PVC
Cable	PVC

Temperature (°C)	Resistance (Ω)	Temperature (°C)	Resistance (Ω)
15	15714	70	1752
10	19903	65	2082
5	25395	60	2467
0	32651	55	2985
-5	42317	50	3601
-10	55304	45	4367
-15	72911	40	5325
-20	97006	35	6530
-25	130306	30	8056
-30	176803	25	10000
		20	12493

Dimensions (mm)
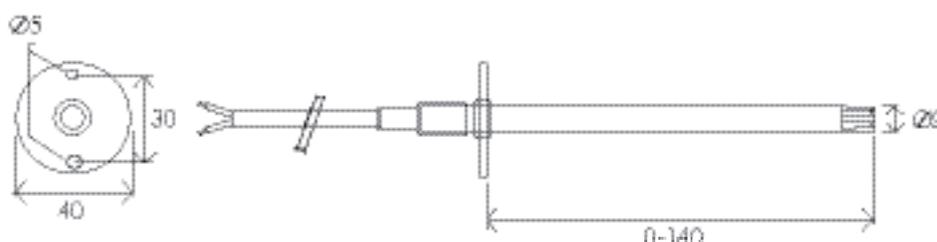
When sensor is used to measure temperature after pre-heater in outdoor air duct:

Go to **Input** menu. Select **ANALOG** tab. Select the analog input to which the extra controller temperature sensor is connected. Example if it is connected to AI6 on the connection board, then select **ANALOG INPUT 6** and select **Extra Controller Temperature Sensor (ECT)** from the input type list.

When sensor is used in a duct as a replacement for internal supply air temperature sensor and connected to connection board:

Go **Input** menu. Select **ANALOG** tab. Select the analog input to which the supply air temperature sensor is connected. Example if it is connected to AI6 on the connection board, then select **ANALOG INPUT 6** and select **Supply Air Temperature Sensor (SAT)** from the input type list. Internal supply air temperature sensor have to be disabled first (by default configured as AI2) before it can be selected anywhere else.

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