DHTTP Duct Humidity and Temperature Sensor

Key Features:

- 2% humidity & temperature accuracy
- Duct mounted
- Combined humidity & temperature
- Resistive temperature output option
- IP65

Product Overview:

The DHTTP sensor is engineered for precise monitoring of humidity levels within ventilation ductwork, with optional temperature measurement capabilities. It is available with 0-10V or 4-20mA outputs for both humidity and temperature signals.

For added flexibility, the sensor comes equipped with a 10K3 thermistor as standard, with alternative resistive outputs available upon request. Housed in a durable enclosure, the DHTTP is ideal for HVAC applications requiring accurate and reliable environmental monitoring within ducted systems.

Technical Specifications:

Material Body: Probe:	Polycarbonate Flame retardent polycarbonate
Sensing Elements:	Monolithic integrated circuit Alternative thermistor for temperature
Supply:	18 to 30v DC for 4-20mA LP 24V AC/DC ± 15% Voltage Sensors
Outputs:	4-20mA loop powered >100 ohms 0-10V (3mA)
Output Scales Range:	Humidity 0-100% RH Temperature 0 - +50ºC
Accuracy:	Humidity ± 2% Temperature ± 0.2ºC
Operating Temperature:	10 to +70˚C
Operating Humidity:	0-95% non-condensing
Terminals:	1.0mm recommended 2.5mm max
Country of Origin:	UK
Product Codes: ***replace '10k3' with other thermistor types**	0-10V: DHTTP-010-10K3* 4-20mA: DHTTP-420-10K3*

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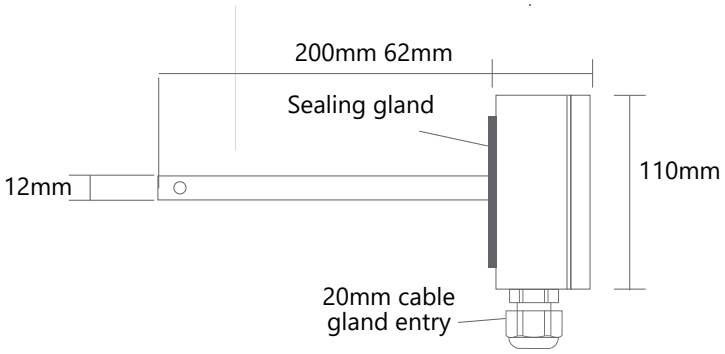
PRODUCT SPEC SHEET Duct RHT Sensor

Product Codes:

Sensor Type	Product Code
Duct Temp and Humidity (4-20mA Loop Powered) *10K3 thermistor also fitted**	DHTTP-420-10K3*
Duct Temp and Humidity (0-10V) *10K3 thermistor also fitted**	DHTTP-010-10K3*

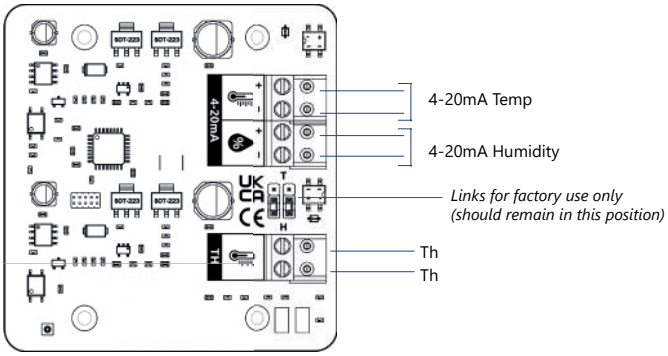
*Other element types available on request.

Dimensions:

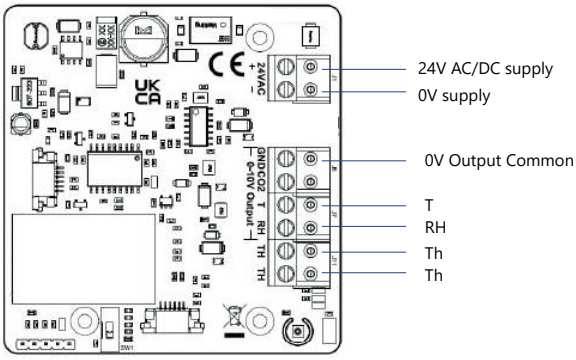


Connections:

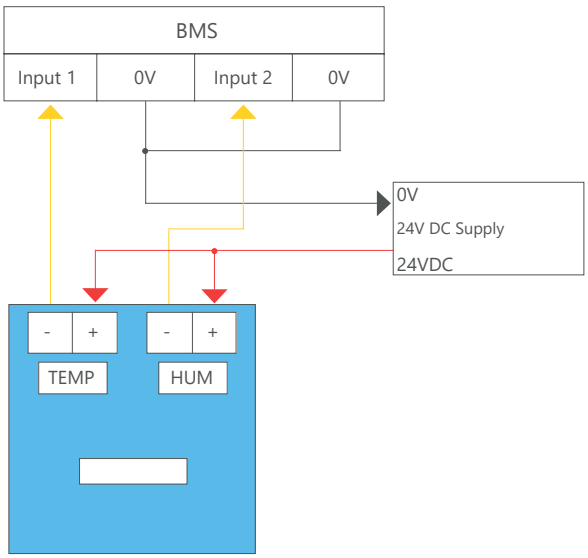
DHTTP-420-10K3
4-20mA Humidity, 4-20mA
Temperature with 10K3



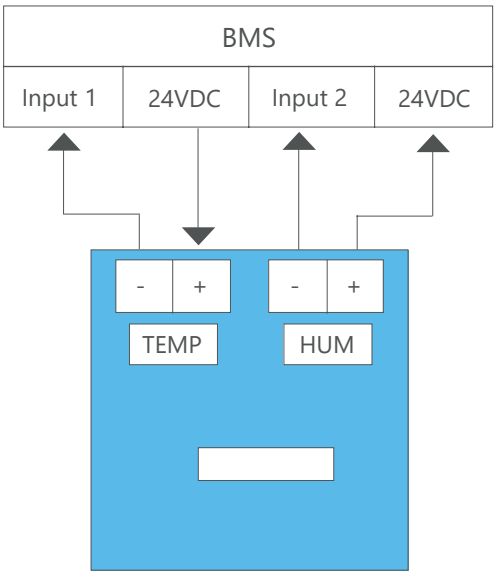
DHTTP-010-10K3
0-10V Humidity, 0-10V
Temperature with 10K3



Typical connection diagram with external power supply



Typical connection diagram for with power supply from BMS controller



For further install and setup information please contact info@snsmiddleeast.ae