



DUCT TEMPERATURE SENSOR

TPDS FEATURES

- Compatible with most leading BMS systems
- Available in 150mm or 300mm lengths as standard
- Bespoke probe lengths available
- Secure IP65 enclosure

The Titan Products Duct Temperature Sensor is designed to measure temperature conditions in duct ventilated systems. The sensor element is enclosed in the end of a rigid ventilation flame retardant polycarbonate tube which is in the air duct.

The sensor is available in two standard lengths of 150mm or 300mm with other lengths made to order and with a range of temperature measurement elements.

SPECIFICATION

Material:	Body: Flame retardant polycarbonate Probe: Flame retardant polycarbonate
Sensing Elements:	See table
Accuracy:	+/-0.2°C @ 70°C thermistor +/-0.4°C (4-20mA) +/-0.5°C (0-10V)
Operating Temperature:	-10 to +70°C
Terminals:	1.0mm recommended 2.5mm max
Mounting Location:	In duct to measure mixed air flow a minimum 2m away from batteries
Dimensions:	Probe: 150 or 300mm Body: H60 x W65 x D36 20mm cable gland entry
Protection:	IP65
Country of Origin:	UK
Product Codes:	See table



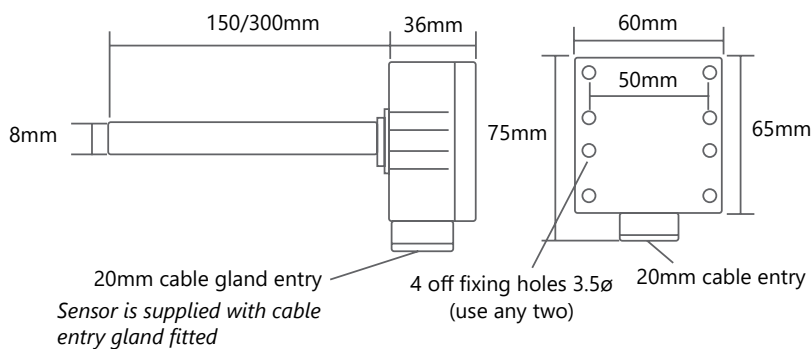
THERMISTOR OPTIONS

Element Type	Product Codes 150mm	Product Codes 300mm	Accuracy
10K3A1	TPTDS/S	TPTDS/L	+/- 0.2°C
10K4A1	TPADS/S	TPADS/L	+/- 0.2°C
20K6A1	TPHDS/S	TPHDS/L	+/- 0.2°C
Ni1000	TPDS/Ni1000/S	TPDS/Ni1000/L	+/- 0.3°C
PT1000	TPPT3DS/S	TPPT3DS/L	+/- 0.3°C
4-20mA	TPDS/S/40 (-10 to +40°C)	TPDS/L/40 (-10 to +40°C)	+/- 0.4°C
0-10V	TPVDS/40/S (0 to +40°C)	TPVDS/40/L (0 to +40°C)	+/- 0.5°C

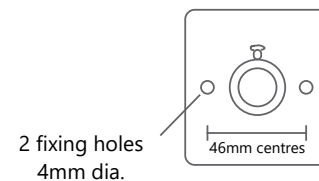
Other thermistor types available on request.
Contact Titan Products for details and options.

The 10K3A1 range of environmental sensors can be used with all Titan BACnet controllers

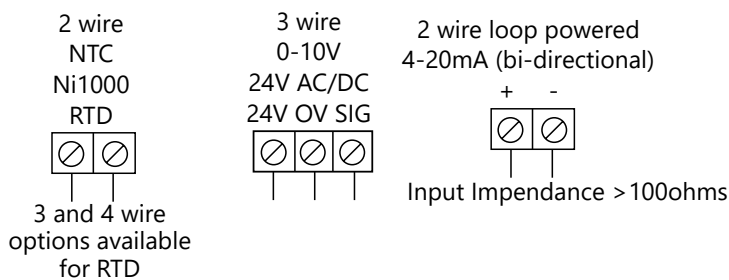
DIMENSIONS



Optional Duct Mounting Flange



CONNECTIONS



INSTALLATION AND MAINTENANCE

- The sensors should be installed by a qualified engineer.
- The sensor should be placed in a position to best represent the temperature.

For further install and setup information please contact technical@titanproducts.com