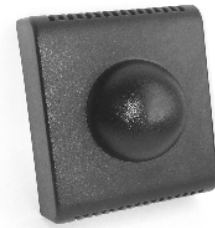


Black Bulb Temperature Sensor



The Titan Products black bulb room temperature sensor is specifically designed to measure the temperature of radiant heating systems.

The sensor is available with a range of temperature measurement elements.

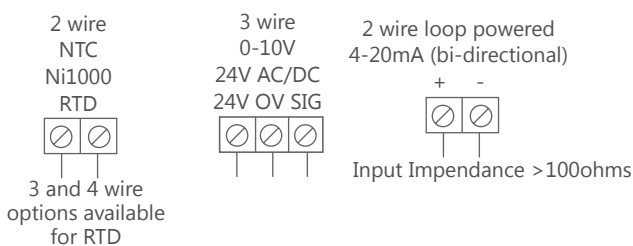
Specification

Material Body:	Flame retardant polycarbonate
Sensing Elements:	See below
Accuracy:	+/- 0.2°C @ 70°C thermistor +/- 0.4°C (4-20mA) +/- 0.5°C (0-10V)
Operating Temperature:	-10 - +70°C
Terminals:	1.0mm recommended 2.5mm max.
Location:	Wall mounted 1.5m from floor level
Dimensions (mm):	90H x 80W x 29D
Protection:	IP20
Country of Origin:	UK
Product Code:	See below

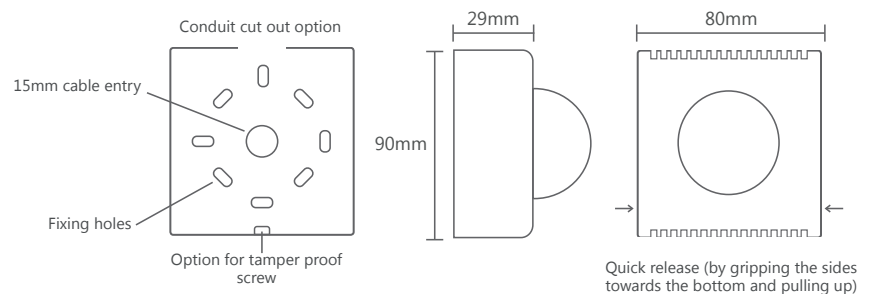
Product codes

Element Type	System Compatibility	Product Codes	Accuracy
10K3A1	Trend / Jel / Honeywell / Aquatrol 2000 / Ambiflex / Next / Smart / York	TPTRS/BB	+/- 0.2°C
10K4A1	Andover / Automatrix / York / Siebe	TPARS/BB	+/- 0.2°C
1.8K7	TAC	TPTAC/RS/BB	+/- 0.2°C
2.2K3A1	Johnsons / Ambiflex	TPRS/BB/2K2	+/- 0.2°C
3K3A1	Alerton	TPTS-R/U/BB	+/- 0.2°C
20K6A1	Honeywell	TPHRS/BB	+/- 0.2°C
30K6A1	Drayton	TPDRS/BB	+/- 0.2°C
100K6A1	York (> 40°C)	TPRS/BB/100K6	+/- 0.2°C
Satchwell	Satchwell T Range	TPSRS/TRANGE/BB	+/- 0.2°C
Ni1000	Landis & Gyr	TPRS/Ni1000/BB	+/- 0.3°C
PT100	PT100	TPPT2RS/BB	+/- 0.3°C
PT1000	PT1000	TPPT3RS/BB	+/- 0.3°C
4-20mA	2 Wire Loop Powered	TPRS/BB/40 (-10 to + 40°C)	+/- 0.4°C
0-10V	3 Wire 24V Supply	TPVRS/BB (0 to + 40°C)	+/- 0.5°C

Wiring



Dimensions



The 10K3A1 range of environmental sensors are designed to be used with all Titan BACnet controllers