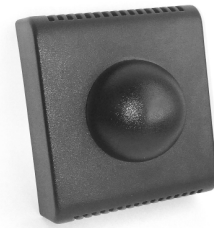


# Black Bulb Temperature Sensor

New modern enclosure



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.

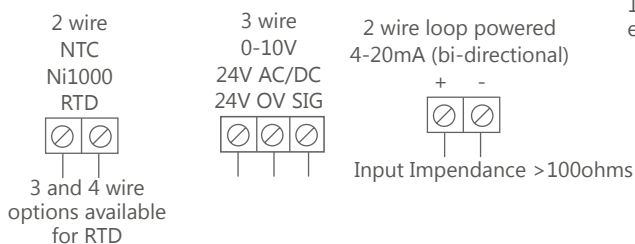
## Specification

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

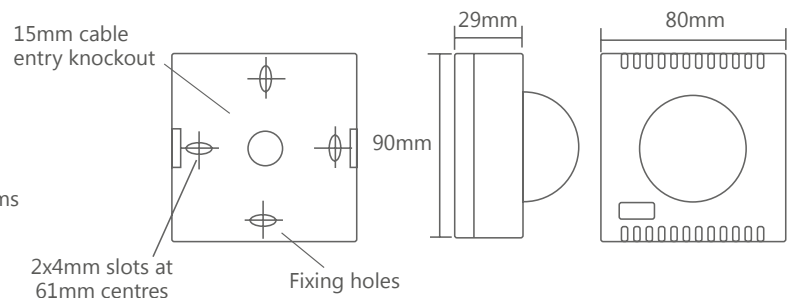
## Product codes

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