

# BLACK BULB TEMPERATURE SENSOR

#### TP-RS-BB FEATURES

- Specifically designed to measure the temperature of radiant heating systems
- Compatible with most leading BMS controls

Our Black Bulb Temperature Sensor is designed to measure the space temperature within a wide range of commercial, healthcare and educational applications where radiant heating panels are being used as the chosen source of heating.

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

## **SPECIFICATION**

Material:	ABS (Flame retardant)	
Output:	Resistive	
Accuracy:	See table	
IP Protection:	IP20	
Mounting Location:	Wall mounted 1.5m from floor level	
Enviromental Conditions:	-10 to +60°C 0-95% RH Non-Condensing	
Connections:	Pluggable screw terminals for 0.3 to 1.5mm cable	
Recommended Cable:	Screened, twin twisted pair 0.75mm to 1mm. Screen earthed at controller end only.	
Country of Origin:	UK	
Product Codes:	See table	



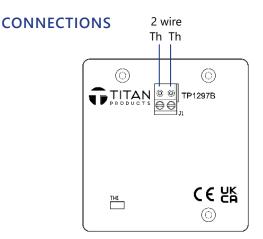




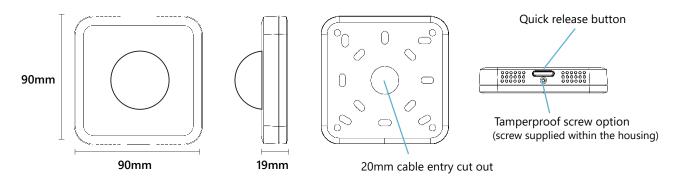
#### THERMISTOR OPTIONS

Element Type	Product Codes	Accuracy
10K3A1	TP-RS-BB-10K3	+/- 0.2°C
10K4A1	TP-RS-BB-10K4	+/- 0.2°C
20K6A1	TP-RS-BB-20K6	+/- 0.2°C
NI1000	TP-RS-BB-NI1000	+/- 0.3°C
PT1000	TP-RS-BB-PT1000	+/- 0.3°C
4-20mA (scaled -10 to + 40°C)	TP-RS-BB-MA	+/- 0.4°C

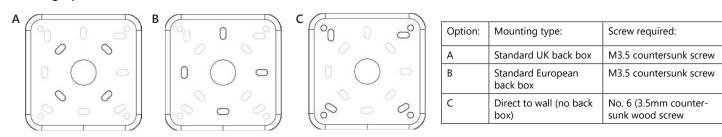
Other element types available on request. Contact Titan Products for details and options.



#### **DIMENSIONS**



#### **Mounting Options**



### **INSTALLATION AND MAINTENANCE**

- The sensors should be installed by a qualified engineer.
- The room sensor should be mounted in the space at approximately 1.5m from floor level.
- Mount away from the effects of direct sunlight, radiators and supply air ducts.
- Sensor cables should be segregated from any mains carrying conductors and electrical noise emitting equipment such as fluorescent lighting.
- Do not spray any liquid or cleaning products directly onto the ventilated housing.
- · Do not obstruct air flow vents.
- Ensure correct screw sizes are used.

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

