

Zigbee Wireless Black Bulb Temperature Sensor

New modern enclosure



The Titan Products Wireless Black Bulb Temperature Sensor is designed to wirelessly monitor the radiant temperature of heating systems and transmit the data over a Zigbee wireless network back to the Titan Products Co-ordinator.

Self healing, mesh networking can be achieved through adding TPZ-Net Repeaters to the network.

Using a frequency of 2.4GHz the transmission between the TPZRS/BB Black Bulb Temperature Sensor and Co-ordinator is carried out after a timing schedule or a specific change in measurement which is set during commissioning (see below table).

The TPZRS/BB Wireless Black Bulb Temperature Sensor uses a 3.6V, 2600mAh lithium thionyl chloride battery. This eradicates the need for wiring to the unit making it extremely easy and cost effective to install.

The TPZRS/BB is rated at IP20.

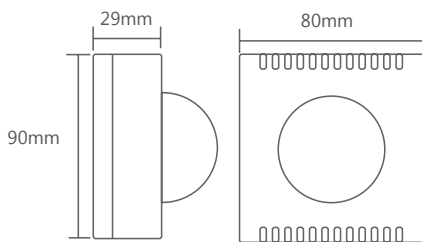
Specification

Power Supply:	3.6V, 2600mAh lithium thionyl chloride battery
Battery Life:	Up to 5 years (depending on transmission intervals)
Network Technology:	Zigbee
Transmission Frequency:	2.4GHz
Transmission Power:	8dBm
Transmission Range:	30m-60m indoor (depending on building type) 200m outdoor (line of sight)
Measurement Accuracy:	+/-0.5°C
Operating Range:	0 - +50°C
Material:	IP20 flame retardant polycarbonate
Dimensions:	80mm x 90mm x 29mm
Country of Origin:	UK
Product Code:	TPZRS/BB



Note: It is strongly recommended a site survey is carried out prior to installing any wireless sensors

Dimensions



Features

- Zigbee Wireless Technology
- Self healing, mesh network technology
- Adjustable transmission timings and values
- Easy to set up
- +/- 0.5°C accuracy
- Up to 90 sensor points from a max 30 devices per co-ordinator
- Designed and manufactured in the UK

More from this range

- Zigbee wireless temperature sensors
- Zigbee wireless CO2 sensors
- Zigbee wireless humidity sensors
- Zigbee wireless light and occupancy sensors

Editable Values

Transmission Interval (minutes)	Change of value (Temp °C)
2	0.5
5	1.0
10	2.0
15	3.0
30	4.0
60	5.0

Titan Products are proud members of the ZigBee Alliance



For information on Titan Products' Zigbee sensors please contact the sales team on 0161 406 6480