

# Zigbee Wireless Light Level Sensor



The Zigbee Wireless Room Light Level Sensor is designed to wirelessly monitor the light level of a space and transmit the data over a Zigbee wireless network back to the Titan Products Co-ordinator.

The TPZLLR/T sensor measures the light level and incorporates a temperature sensor.

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 TPZLLR Light Level 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 TPZLLR Zigbee Light Level Sensor has 5 selectable lux ranges which can be selected from inside the unit. The ranges are 0-1000, 0-2000, 0-4000, 0-8000 and 0-20,000 lux.

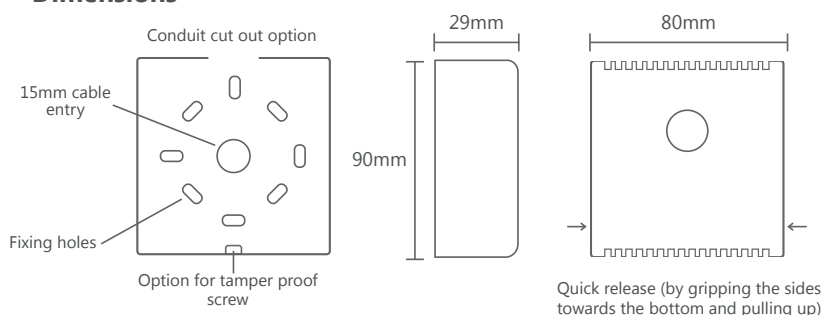
The TPZLLR Wireless Light Level Sensor uses a 3.6V, 2600mAh lithium thionyl chloride battery. This eradicates the need for wiring to the unit making it extremely easy and cost effective to install.

## 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:	+/- 10% of selected range
Selectable Ranges:	0-1000, 0-2000, 0-4000, 0-8000, or 0-20,000 lux
Material:	IP20 flame retardant polycarbonate
Dimensions:	80mm x 90mm x 29mm
Country of Origin:	UK
Product Codes:	TPZLLR/T (light level and temp)

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

## Dimensions



Titan Products are proud members of the Zigbee Alliance.



For information on Titan Products Zigbee sensors please contact the sales team on +44 (0)161 406 6480

## Editable Values

Transmission Interval (minutes)	Change of value (light level LUX)
2	25
5	50
10	75
15	100
30	150
60	200
	500
	1000
	2000

## Features

- Zigbee wireless technology
- Self healing, mesh network technology
- Adjustable transmission timings and values
- Easy to set up
- 5 selectable ranges
- Up to 99 sensor points from 30 devices per co-ordinator
- Designed and manufactured in the UK