

Light, presence, temperature, and humidity sensor LoRaWAN

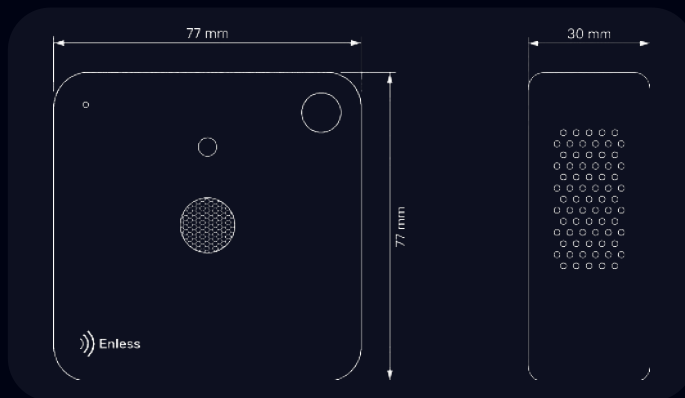
TX LIGHT PIR T&H 600-062



Description

The Enless light and presence, temperature and humidity sensor ensures control of your rooms through presence detection, day/night detection, and measurement of temperature and humidity. Compatible with LoRaWAN and LoRa Easy protocols (Enless proprietary protocol), its data can be sent directly to your monitoring system or your BMS, without the need for cabling or heavy work.

Dimensions



Radio

Supported protocols	LoRaWAN LoRa Easy (Enless proprietary protocol)
LoRaWAN Class	Class A
LoRaWAN Version	Version 1.0.4 RP002-1.0.3
Frequency	EU868 (868 MHz)
Identifiers	LoRaWAN: DevEUI, AppEUI, AppKey LoRa Easy: LoRa ID
Transmission power	25mW (14 dBm)
Encryption	AES128 in LoRaWAN mode

Features

Enclosure protection rating	IP40 Indoor use
Mounting	Screwed or glued (double-sided adhesive provided)
Operating temperature	-20 / +55°C
Power supply	Lithium Battery 3.6V type C (BAT C 1000-035) USB-C power supply possible
Battery life	5 years for a transmission every 15 minutes (SF9)
Tamper detection	Accelerometer
Configuration	LoRaWAN: Downlink or via the MyEnless application LoRa Easy: From the receiver's server

Measurements

Presence (PIR)	Detection area: 100° Horizontal, 100° Vertical Detection distance: 8m maximum
Brightness	Type of measurement: Day / Night
Temperature	Measurement range: -40 / + 125°C Accuracy: +/- 0.2°C Resolution: 0.1°C
Humidity	Measurement range: 0 - 100% rH Accuracy: +/- 2% rH Resolution: 0.1% rH

Certifications

