

LoRaWAN LED Flash Sensor

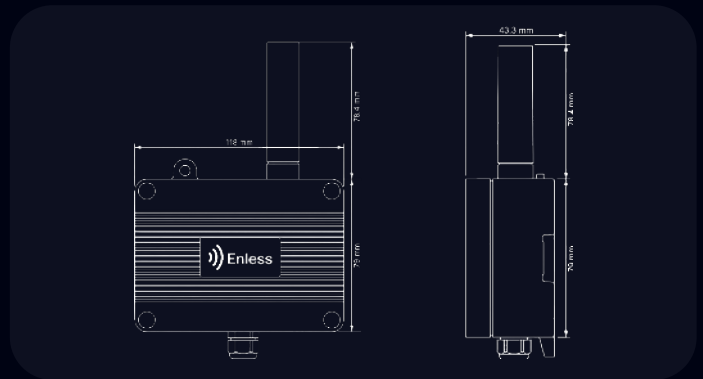
TX PULSE LED 600-138



Description

Designed for remote reading of electric meters, the optical reading head of this LoRaWAN sensor mounts on the LED interface of your meter. It counts each flash generated by the meter and periodically sends the index via radio. Compatible with LoRaWAN and LoRa Easy protocols (Enless proprietary protocol), its data can be sent directly to your monitoring system or building management system (BMS), without the need for cable installation or heavy work.

Dimensions



Radio

Supported Protocols	LoRaWAN LoRa Easy (Enless proprietary protocol)
LoRaWAN Class	Class A
LoRaWAN Version	Version 1.0.2 RP001-1.02. revB
Frequency	US915 (915MHz)
Identifiers	LoRaWAN: DevEUI, AppEUI, AppKey LoRa Easy: LoRa ID
Transmission Power	25mW (14 dBm)
Encryption	AES128 in LoRaWAN mode

Features

Ingress Protection Rating	Nema 4 / IP65
Mounting	Wall-mounted (screwed), Clamp, DIN Rail
Operating Temperature	-20 / +55°C
Power Supply	3.6V Lithium Battery type D (BAT D 1000-031) Info: Replaceable battery
Battery Life	12 years for a transmission every 5 minutes (SF9) Up to 15 years of autonomy
Configuration	LoRaWAN: Downlink LoRa Easy: From the receiver's server

Measurements

Interface	LED Optical Reading Head
Type of Flashes	All types of flashes (except infrared)
Flash Duration	Minimum 3ms - Maximum 100ms
Flash Frequency	Maximum 10Hz
Number of Inputs	1 input
Accessories	Supplied with an adhesive sight for mounting on the meter

Certifications

