FORITEC

LOR-5. Pulse counter to LoRaWAN®

The LOR-5 2-channel pulse counter is used to remotely read metering data from such meters as: water, heat, gas or electricity. The LOR-5 collect measurement data via two pulse inputs and transmit the data wirelessly via LoRaWAN®

The module is compatible with all meters with pulse outpus and is suitable for implementing metering systems in apartments, private houses, businesses, and other utility sectors.

This enables flexible connectivity options for IoT applications.

Supported meters

• Any kind of meters with pulse outpus

The LOR-5 pulse counter is an autonomous device with low power consumption, high-performance and high-quality wireless pulse sensors that collects, stores and transmits data from water, electricity and gas meters.

Up to two meters can be supported simultaneously or for example one compound water meters, especially usefull for one point of data reading for both volumes on site with compound water meters nstallation.

The data archive contains up to 349 records, and the real-time clock allows you to use tariffs for each channel independently.

The LOR-5 has GPIO Channels that the user can control: Ch1, Ch2, Ch3. There is also one virtual channel (without a physical terminal): ChV. GPIO channels can be assigned a function they will perform: input or output. If a channel is an output, a logical level can be set for it. The GPIO channels can be controlled via: the USB interface or LoRaWAN® netwrok, or the with the GPIO schedule.

The GPIO schedule allows you to define scenarios for generating GPIO signals and trigger an unscheduled transmission via LoRaWAN® upon detecting a specified signal. There are 5 "GPIO tasks" and 4 "GPIO watchers."

Specifications

Meter connection
two pulse intpus

Frequency plans supported by default
EU 868: 863-870 MHz

Activation type
OTAA, ABP by special request

Transmitter power
25 mW

Ingress protection rating
IP68

Battery
SIZE AA SAFT LS14500 HER-2 3.6V
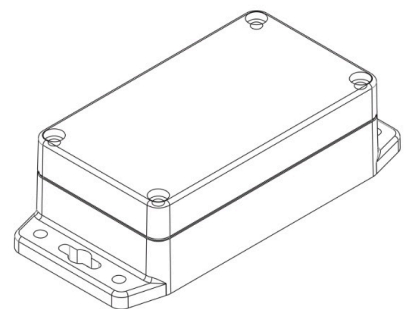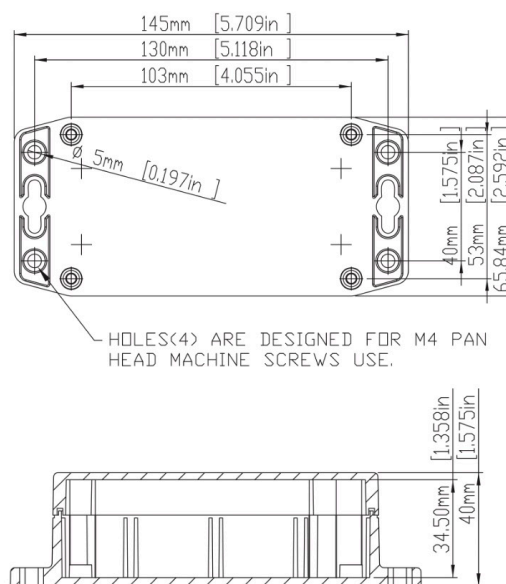
Operating temperatures
-20...+55 °C

Antenna type
External, SMA connector

Dimensions
145 mm; 65 mm; 40 mm

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