

Sens'RF LoRaWAN

Line of sensors for LoRaWAN networks

Webdyn offers a line of Sens'RF LoRaWAN sensors making it possible to acquire local data (pulses, RMI meters, temperature, humidity, etc.), and to send it to a data server by radio frequency over the LoRaWAN network.

The Sens'RF LoRaWAN is ready to use with a factory pre-configuration for quick and easy implementation. It is also locally configurable via USB port and remotely via the LoRaWAN server. Activation/deactivation is done by the passage of a magnet. It allows the configuration of the data transmission frequency and the LoRaWAN APPEUI/APPKey keys, etc.



Main Features



LoRaWAN



Sensitivity
-136dBm



Power
25mW



DIN rail

Strenghts & Benefits

- "Over the air" activation and self-adaptation to the data flow (between 0.3 and 5 kbps)
- Autonomy of up to 10 years on a battery
- Optimization and adaptation of the speed and strenghts of data transmission
- Long radio range
- Good resistance to background noise

Applications

- Building energy efficiency
- Comfort
- Health

Specifications

Sens'RF LoRaWAN

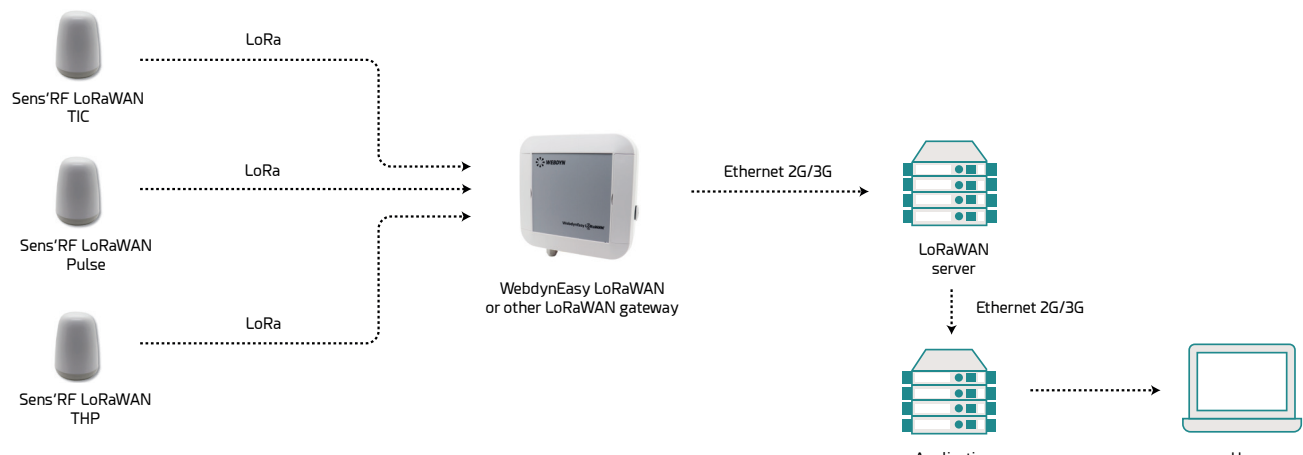
LoRaWAN frequency 868MHz

Characteristics

- Protocol: LoRaWAN 1.0 Class A
- Sensitivity: up to -136dBm
- Power: 25mW
- 0-10V/4-20mA
- DC input: +6 to +24 Vdc external or type C battery
- Dimensions: 100x70x70mm
- Wallmounting, DIN rail or tabletop

Architecture

All Sens'RF sensors are compliant with private or public LoRaWAN networks. For private networks, users can use the WebdynRF LoRaWAN gateway.



References

PRODUCTS

- Sens'RF LoRaWAN Pulse **WG0307-D01**
- Sens'RF LoRaWAN THP **WG0307-D02**
- Sens'RF LoRaWAN TIC **WG0307-D03**

The equipment may vary from the description in this document. Webdyn reserves the right to make changes to the product(s) and or information contained herein without notice. This document may not be considered as a contract specification.