RF-LW-THPIR-S

LoRaWAN Space Temperature, RH and PIR



Features & Benefits

- Ultra low power consumption
- Temp, Humidity and PIR sensor
- Sends message on occupancy

Technical Overview

The RF-LW-THPIR-S uses PIR to optimise energy consumption by monitoring movement and providing occupancy driven ventilation. A stand-alone sensor powered by 2xAA batteries lasting for up to 15 years, features PIR (occupancy), temperature and humidity with the optional addition of CO2. The data can be used in any LoRaWAN compatible system, particularly Building Management Systems to control demand-based datapoints.

Technical Specification

Dimensions	122x58x22mm
Operating Humidity	0 to 80% RH non-condensing
Operating Temperature	0 to 50°C
Operating Voltage	3.0Vdc
Power Supply	2x AA Batteries (1.5V each)
Expected Battery Life	Up to 15 years with default configuration
LoRaWAN Device Type	Class A End-device
Co_2 accuracy	±(30ppm +3% of reading)
CO2 Range	400-5000ppm
Temperature Accuracy	±0.2-0.3°C
Humidity Accuracy	±3% r.H.
Weight	70g

Related Product Codes

RF-LW-THPIRCO2-S	LoRaWAN Space Temperature, RH, CO2 and PIR sensor
RF-LW-THPIR-S	LoRaWAN Space Temperature, RH and PIR sensor

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