

AXIS360-Room

PIR MOVEMENT, LIGHT, TEMPERATURE AND HUMIDITY

The Axis360-Room LoRa® sensor provides instant notification of movement whether the wellbeing of people, live-stock, security or remote environments. Constantly monitoring, the sensor tracks and counts movements initiated by the PIR whenever anything or anyone passes. These readings sent at pre-defined (or triggered) intervals over LoRaWAN™ network.

Ready to deploy, this sensor is a small unit operating for many years from the self-contained and user replaceable battery offering wire free installation. Also including the accurate temperature and humidity capability of the Axis360 Temperature sensor, as well as light detection. A complete overview of remote locations and spaces with licence free messaging.

- Always on PIR sensors of movement as counter or trigger
- Regular temperature, humidity & light sampling and reporting
- LoRaWAN supports up to 20 kms line-of-sight, and 500 metres indoors*
- LoRa® Alliance Certified, LoRaWAN™ ready
- NFC for easy configuration, user installable, battery replaceable



DESCRIPTION

A LoRaWAN™ movement, temperature and humidity sensor enclosed in a small ABS box (86mm x 86mm x 26mm). Inside it has four internal sensors: PIR movement, light sensor, temperature sensor and humidity sensor. Powered by two replaceable 3.6V lithium batteries, capable of performing with reliability over many years. Battery life up to 5 years dependant on the sample interval, transmit interval, data rate and environmental factors. The sensors equipped with NFC (Near Field Communication) for easy configuration from an Android phone. Available on the LoRaWAN™ Channel planes for EU863-870, US902-928.

Solutions

- Wellbeing of elderly or vulnerable
- Monitoring remote assets or voids
- Security of livestock or storage

SPECIFICATION

Movement (PIR)	Sensitivity: 10 metres	Stabilise: 30 to 60 seconds
Temperature (SHT30)	Accuracy: 0°C to 65°C	Tolerance: ±0.3°C
Humidity (SHT30)	Accuracy: 0% to 100%	Tolerance: ±3% rh
Light ()		
Battery (3.6v AA lithium)		

OPERATION

Operating temperature	Min	-0°C	Max	+80°C
Communication range	Rural	20 Km*	Urban	3 Km*
Power expectancy	Min	1 year	Max	5 years

* Subject to environmental factors and placement of sensors and gateways