

# Motion Sensor



## Description

The motion sensor from *Smart Box & GeoPortal* accurately detects movements made by people within a range of 5 meters and communicates this information through our portal.

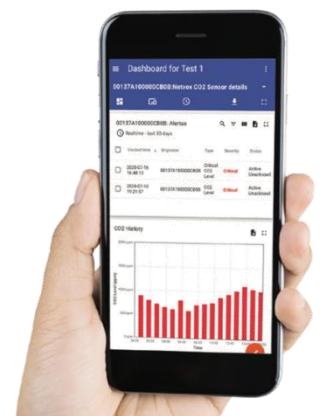
## Operation

The wireless sensor detects motion using heat and infrared technology. When it detects motion, it communicates with our portal and the notification system.

Notifications are configured in the portal to alert the user when motion is detected activating a visual or audible alarm. The data is viewed real-time and exported as a data sheet or a graph. Likewise, the portal stores the data for analysis.

## Main Features

- Uses LoRaWAN technology
- Range of the wireless network: 3 km
- RF Communication: 915 MHz
- Battery lifespan: 3 years
- Detection using PIR (Passive Infrared) and body heat
- Extra measurements for temperature, humidity and light intensity
- Easy to install and maintain



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# Specifications

Motions	
Weight	100 g with battery
Size	86 x 86 x 28 mm
Battery	2 x 3.6V AA Lithium 14505 (Li-SOCI2)
Battery lifespan	3 years
Sampling interval	Configurable
Uplink interval	Configurable
Detection range	5 meters
Detection angle	110 °
Temperature	
Range	0 – 40 °C
Resolution	0.1 °C
Accuracy	± 0.2 °C
Humidity	
Range	0 – 100%
Resolution	0.1% HR
Accuracy	± 2% HR
Light Intensity	
Range	4 – 2000 Lux
Resolution	1 Lux
Accuracy	± 10 Lux

