



Motion Sensor & Motion Sensor Pro

A compact solution for monitoring room activity

The Motion Sensor is a smart device that can detect movements at home. If you are looking for more functionalities, the Motion Sensor Pro also detects light, and temperature.

The motion sensors are designed to help the users through the day in whatever way they need. As part of automations, they make life easier when they are at home (for instance by turning on lights automatically) and more secure when they are away. The Motion Sensor Pro is tamper protected and lets them know if someone tries to mess with it giving them an extra level of security.

Installed in their relatives' homes, the motion sensors can also work as a care monitor and notify users if something isn't right with their loved ones.

Key features are:

- Separate occupancy and alarm output (no false triggering)
- Tamper protection
- Temperature sensor
- Light sensor
- Wall, corner or ceiling mounting
- 3 years+ battery life
- Zigbee certified

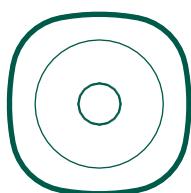
Detection of occupancy, light and temperature

The Motion Sensor Pro includes an occupancy sensor, a light sensor, an alarm sensor, a temperature sensor, and a tamper switch. The provided mounting screws can be used to mount the motion sensors in the corner or flat on the wall or ceiling. Alternatively, the user can use the included stand to place the motion sensors on a table or shelf.

The frient motion sensors operate under the Zigbee standard, which means that the sensors can be integrated with other Zigbee based systems.

The sensor is available in two versions:

Features	Pro	Basic
Occupancy sensor	x	x
Alarm	x	x
Light sensor	x	
Temperature sensor	x	
Tamper switch	x	
Flat mounting	x	x
Corner mounting	x	x
Screw mounting	x	x





Motion Sensor & Motion Sensor Pro - Technical specifications

Model numbers: **MOSZB-140 (Motion Sensor Pro)**, **MOSZB-141 (Motion Sensor)**

General

Dimensions (W x H x D) 70 x 70 x 21 mm / 2.76 x 2.76 x 0.83 inches

Weight 31.4 g / 1.11 oz (with packaging full version: 162.1 g / 5.72 oz)

Color White

Power supply Battery: 2 x AA, exchangeable

Battery life: 3 years, reporting every 2 minutes

Battery level and low battery warning can be reported

Radio Sensitivity: -92 dBm

Output power: +3 dBm

Environment IP class: IP30

Operation temperature 0 to +50°C / 32 - 122 °F

Relative humidity 5% - 85%, non condensing

Functions

Occupancy & alarm sensor Sensitivity range: 9 m (30 ft)

View angle: 45° up/down, left/right

Off-time: configurable* 2 s - 65,000 s

Two trigger levels: one for occupancy and one for alarm

Light sensor Resolution: dark, light, bright

Sample time: configurable*: 2 s - 65,000 s

Reporting: configurable*

Temperature sensor Range: 0 to +50°C / 32 - 122 °F

Resolution: 0.1°C / 0.18°F (accuracy Typ $\pm 0.5^{\circ}\text{C}$ / 1°F and Max $\pm 2^{\circ}\text{C}$ / 4°F)

Sample time: configurable*: 2 s - 65,000 s

Reporting: configurable*

Communication

Wireless protocol Zigbee Home Automation, Zigbee end-device

Certifications

Conforming to CE, FCC, IC, ISED, RED, RoHS and REACH directives

Zigbee Home Automation 1.2 certified



*requires a hub that supports configuration