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Motion Sensor Mini
A compact solution for monitoring room activity

The Motion Sensor Mini detects movement, light, and temperature.

Motion sensors are an essential part of any home care solution as they can monitor resident's activity and help collect data that can indicate potential accidents or other emergencies.

Installed in homes and buildings, the Motion Sensor Mini greatly enhances security. As part of an alarm system, the sensor can alert your customers of possible intruders and enables them to react quickly.

With the wireless Motion Sensor Mini, your customers will be able to automate their homes. For instance, they can set the light to turn on and off as people enter and leave the room. In addition, the temperature detector can be set to trigger smart thermostats or portable heaters.
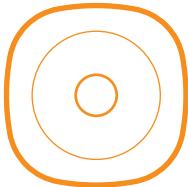
Key features are:

- Seperate 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 Mini 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 Sensor Mini in the corner or flat on the wall or ceiling. Alternatively, the user can use the included stand to place the Motion Sensor Mini on a table or shelf.

The Motion Sensor Mini operates under the Zigbee standard, which means that the sensor can be integrated with other Zigbee based systems for security, home care, InsurTech, or energy management.

The sensor is available in two versions:

Features	Full	Basic
Occupancy sensor	X	X
Alarm	X	X
Light sensor	X	
Temperature sensor	X	
Tamper switch	X	
Flat mounting	X	X
Corner mounting	X	
Screw mounting	X	

A basic version of the sensor is available for high-volume rollout (MOQ 3.000). Reduce the number of features and keep the cost down.

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Motion Sensor Mini - Technical specifications

Model numbers: MOSZB-140 (Full version), MOSZB-141 (Basic version)

General

Dimensions (W x H x D)	70 x 70 x 21 mm / 2,76 x 2,76 x 0,83 inches
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: config.: 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 ±0.5°C / 1°F and Max ±2°C / 4°F)
	Sample time: config.: 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

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