



## Motion Sensor 2 Pet

### A pet immune occupancy and alarm sensor

The friendly Motion Sensor 2 Pet is a highly stable and pet immune motion sensor with an alarm certification. It can detect movement, light, and temperature and is suitable for both EU and US markets.

With its high security standards and alarm certification, the Motion Sensor 2 Pet is perfectly suited for use in security solutions. It can detect intruders moving in the home as well as someone trying to tamper with the sensor.

In a home care solution, the Motion Sensor 2 Pet can be used to monitor a person's activity, spot abnormal behaviors, and indicate potential illnesses. An intelligent solution can then alert relatives or caregivers. As the sensor is pet immune, it is also suited for people who live with cats or dogs.

Key features:

- Separate occupancy and alarm output (no false triggering)
- Pet immune
- Temperature sensor
- Light sensor
- Up to 3 years+ battery life
- Zigbee certified 3.0 certified
- EN50131 Alarm certified (optional)

### Suited for security systems

The Motion Sensor 2 Pet is available in an EN50131 certified version and supports the Zigbee IAS Zone cluster, making it suitable for use in alarm systems. It further can include tamper protection to make sure that an intruder does not deactivate the sensor undetected.

### Pet immune multisensor

The Motion Sensor 2 Pet is delivered with mounting tape to enable an easy installation. The sensor also includes a stand to place the Motion Sensor 2 Pet on a table or shelf or a corner bracket with screws to mount it in a corner.

The Motion Sensor 2 is Zigbee 3.0 certified, which means that the sensor can be integrated with other Zigbee based devices.

The motion sensor is available in the following standard models:

Features	Model number	Motion sensor	Pet immune	Tamper	Light sensor	Temp. sensor	Bracket + stand	EN50131 certified
Motion Sensor 2 Pet	MOSZB-153	X	X		X	X	X	
Alarm Motion Sensor 2	MOSZB-156	X	X	X	X	X	X	X

Please note: Additional versions of the sensor are available for high-volume roll-out (MOQ 10 000). Reduce the number of features and keep the cost down.



## Motion Sensor 2 Pet - Technical specifications

Model numbers: MOSZB-153, MOSZB-156

### General

Dimensions (W x H x D)	70 x 70 x 37 mm / 2.76 x 2.76 x 1.46 inches
Weight	85 g / 3 oz (w. packaging: 166.3 g / 5.87 oz)
Color	White
Power supply	Battery: 2 x AA, exchangeable Battery life: up to 3 years, reporting every 2 minutes Battery level and low battery warning can be reported

Radio	Sensitivity: -100 dBm Output power: +10 dBm (EU) and +19 dBm (US)
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Environment	IP class: IP20 Operation temperature 0 to +50°C / 32 - 122°F Relative humidity 5% - 85%, non condensing
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### Functions

Occupancy & alarm sensor	Sensitivity range: up to 9 m / 30 ft (pet immune: 6+ m / 20+ 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
Pet immunity	Detect: >50 kg / 110 lb and ignore <25 kg / 55 lb at floor level (<1m / 3 ft)
Light sensor	Resolution: dark, light, bright
Temperature sensor	Range: 0 to +50°C / 32 - 122°F Resolution: 0.1°C / 0.18°F (accuracy Type ±0.5°C / 1°F and Max ±2°C / 4°F)

### Communication

Zigbee 3.0, Zigbee end-device

### Certifications

Conforming to CE, FCC, IC, and RED directives  
Zigbee 3.0 certified  
EN50131 Alarm certified (optional)