



Pro-grade wireless security system
for ultimate protection

Specification Sheet



MotionProtect

Wireless motion detector



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AJ-Mot-W/B

Wireless motion detector that notifies the owner of the first signs of home or office intrusion. The detector is fastened to the wall in front of the doors and other places likely of intruder entry.

- Authentication to prevent forgery
- Jamming detection and communication channels encryption
- Tampering alarm

Operates up to 5 years without battery replacement	Ignores cats and dogs with weight of up to 20 kg and height up to 50 cm	Accurately detects motion in heat conditions, even at a temperature of +40°C
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Principle of operation

The device detects human presence by IR level using a passive IR sensor. The data received is digitally processed in order to prevent false alarms.

Features

The device automatically increases or decreases the sensor sensitivity in order to accurately detect motion during hot and cold weather.

Installation and set up

Ready to operate straight out the box: the battery is already installed, therefore there is no need to disassemble the detector. With one click, it can be connected to the hub in the mobile application. It can be mounted on the SmartBracket in just a few minutes.

Tech specs

Classification	Electro-optical combined radio channel security detector
Type of detector	Wireless
Installation method	Indoors
Compatibility	Operates with all Ajax hubs , range extenders , ocBridge Plus , uartBridge
Sensing element	PIR sensor
Alarm signal delivery time	0.15 s
Motion detection distance	Up to 12 m

Detection angles	Horizontal — 88.5° Vertical — 80°
Sensitivity	Adjustable, 3 levels
Recommended installation height	2.4 m
Pet immunity	Weight — up to 20 kg Height — up to 50 cm
Power supply	Battery: CR123A battery Power supply voltage: 3 V Battery life — up to 5 years
Jeweller radio technology	Communication range with central unit — up to 1,700 m in an open space Two-way communication between devices Operating frequencies — 868.0—868.6 MHz Self-adjusting RF output power — up to 20 mW Block encryption based on AES algorithm Device polling period — 12–300 s Learn more about Jeweller >
Temperature sensor	Available
Operating temperature range	From -10°C to +40°C
Permissible humidity	Up to 75%
Anti-sabotage	Protection against fraud Jamming detection Tamper-resistant
Remote setting and testing	+
Dimensions	110 x 65 x 50 mm
Weight	86 g
Certification	Grade 2, CE
Warranty	Replacement and repair within 24 months of the date of sale. Batteries are not covered under warranty. Learn more >
Complete set	MotionProtect motion detector SmartBracket mounting panel CR123A battery (pre-installed) Installation set User's guide