

MotionProtect Plus

Wireless motion detector with microwave sensor that notifies the owner of first signs of home or office intrusion. Designed for rooms with air conditioners, fireplaces and where there is a likelihood of light flickering, glare and reflections.

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

The additional microwave sensor filters possible interference from the air conditioner and curtain movement	The device operates up to 5 years without battery replacement	Ignores pets weighing up to 20 kg and with a height up to 50 cm
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Principle of operation

Detects human presence by temperature difference with background thermal radiation. The microwave sensor prevents false alarms caused by complex interference.

Features

Designed for operation in rooms with fireplaces and air conditioners. Detects and ignores draughts, movement of curtains and blinds, and light flickering, glare and reflections.

Installation and set up

Ready to operate straight out the box. The battery is already installed inside, therefore there is no need to disassemble the detector. It can be mounted in just a few minutes using the SmartBracket mount.

Tech specs

Classification	Electro-optical combined radio channel security detector
Type of detector	Wireless
Installation method	Indoors
Compatibility	Operates only with Hub, Hub Plus, ReX, ocBridge Plus, uartBridge
Sensing element	PIR sensor, microwave sensor (24 GHz)
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 1,200 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 Detector polling period — 12–300 s
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	110x65x50 mm
Weight	96 g
Certification	Grade 2, CE
Warranty	Replacement and repair within 24 months of the date of sale. Batteries are not covered under warranty.
Complete set	MotionProtect Plus motion detector SmartBracket mounting panel CR123A battery (pre-installed) Installation set User's guide