MotionProtect Outdoor

Wireless outdoor motion detector with intelligent protection against false alarms. The device operates at low temperatures and is protected against dust and splashes.

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

Detects movement at a distance up to 3–15 meters	Ignores pets with a height of up to 80 cm	Operates up to 5 years without battery replacement

LISA intelligent algorithm for false alarm prevention

Accurately detects people

LISA turns MotionProtect Outdoor into a formidable barrier for intruders. The digital algorithm accurately identifies the movement of a person while ignoring animals, swaying of trees and plants as well as birds and insects that land on the detector.

Ignores all unimportant events

LISA analyses the similarity of signals originating from two sensors in two stages. If the signals appear similar during the first stage but the detected similarity is insufficient to trigger an alarm, the comparison of the spectral components is initiated. It helps to ignore trees swaying in the detector's field of vision.

* The detector ignores bushes up to 80 cm high and trees whose crowns cross only the upper beam

Prevents intrusions invisible with the naked eye

The MotionProtect Outdoor features the maximum possible protection for outdoor detectors. The anti-masking function, which is on around the clock by default, detects installation of barriers, pasting over, application of paint on one or two lenses. The integrated tamper alarms if the dust- and moisture-proof detector body is opened.

- Anti-masking
- Detects painting and pasting of the detector
- Protection against unauthorized opening

Ready to operate straight out the box

MotionProtect Outdoor comes with pre-installed battery, so you do not need to disassemble it. The detector can be connected to the hub by one click in the mobile application. It can be mounted at a height of 0.8 to 1.3 meters on the SmartBracket in just a few minutes. Although the complete battery life is 5 years, it is possible to connect external power supply.

Pre-installed batteries	Mount for quick set up	Mobile application for configuring and testing

Tech specs

Classification	Electro-optical radio channel security detector
Type of detector	Wireless
Installation method	Outdoors/indoors
Compatibility	Operates only with Hub, Hub Plus and ReX
Sensing element	Two PIR sensors
Alarm signal delivery time	0.15 seconds
Motion detection distance	Adjustable, up to 3—15 m
Detection angles	Horizontally—90°
Sensitivity	Adjustable, 3 levels
Recommended installation height	0.8—1.3 m
Pet-immunity	Weight — not relevant Height — up to 80 cm

Power supply	Power supply: 2 x CR123A battery Power supply voltage: 3 V Battery life — up to 5 years Mains supply: DC 12 V±20%
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 Detector polling period — 12−300 s
Temperature sensor	Available
Operating temperature range	From −25°C to +60°C
Operating humidity	Up to 95%
Protection class	IP55
Anti-sabotage	Anti-masking Protection against fraud Jamming detection Tamper-resistant
Remote configuration and testing	+
Dimensions	183x70x65 mm
Weight	322 g
Certification	Conforms to the requirements of CU TR 020/2011 «Electromagnetic compatibility of technical means», EAC
Certification	DSTU EN 50131
Warranty	Replacement and repair for a period of 24 months from the date of sale. The warranty does not cover batteries.
Complete Set	MotionProtect Outdoor motion detector SmartBracket mounting panel Two CR123A batteries (pre-installed) Installation kit User's guide