



Baseline product line

MotionProtect Plus Jeweller

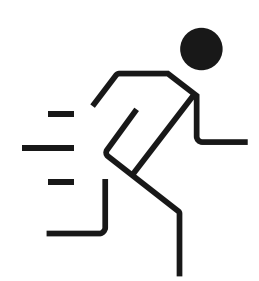
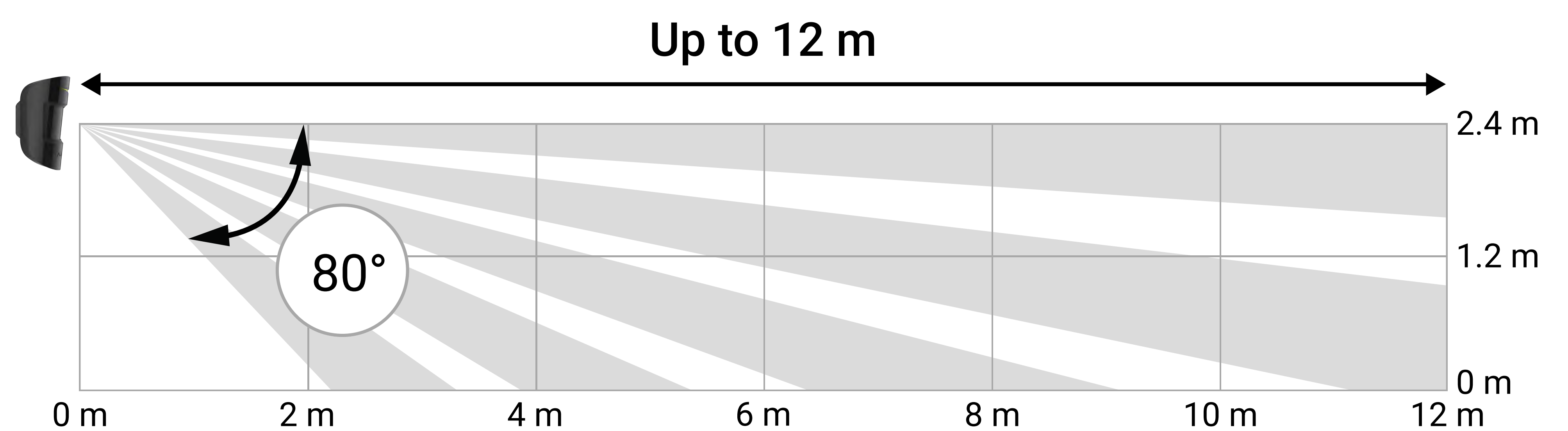
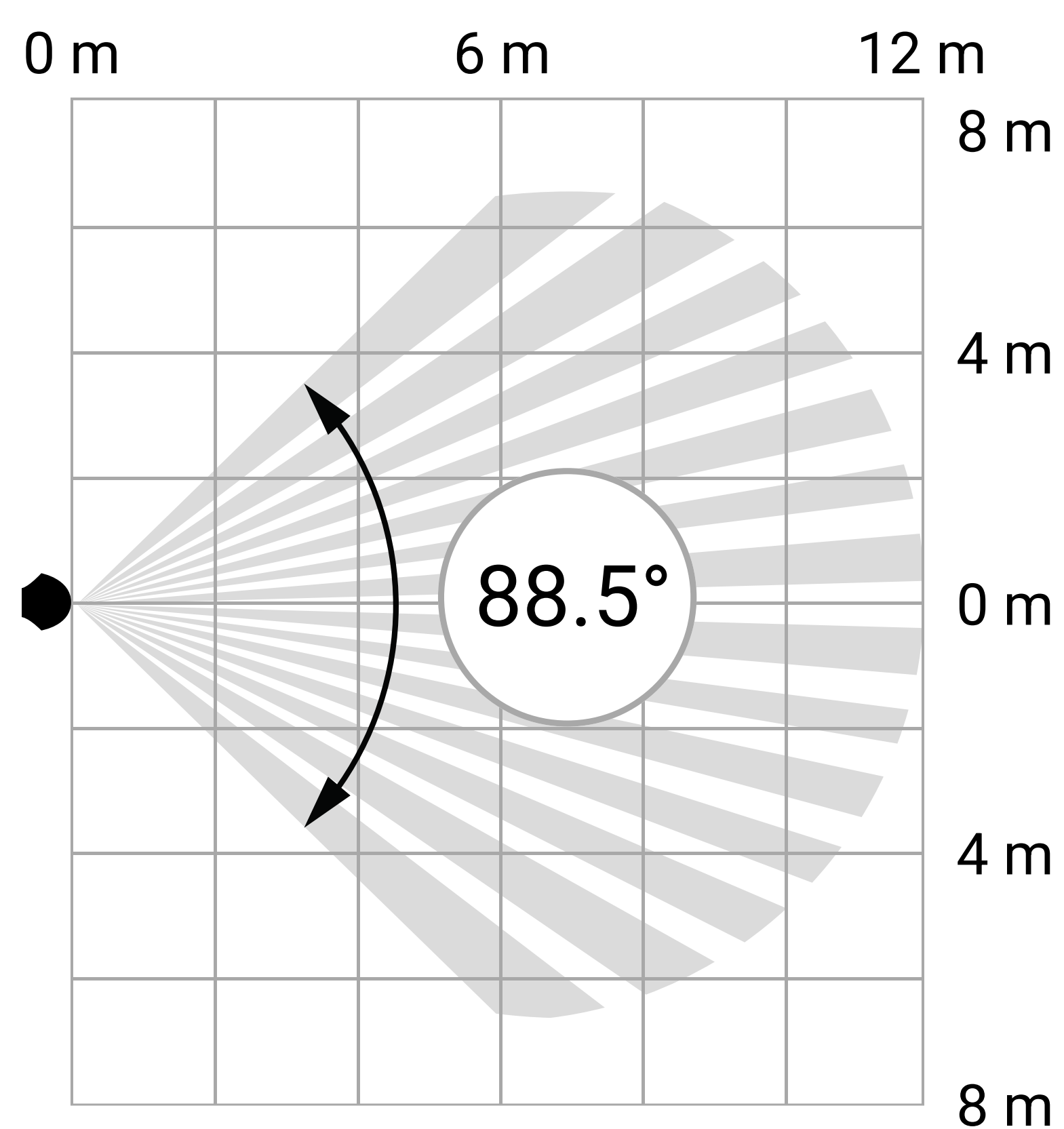
Wireless IR motion detector with an additional K-band microwave sensor



2
GRADE
EN 50131

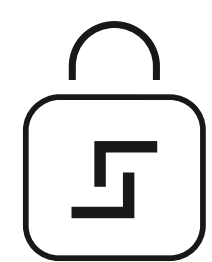
PD 6662
2017

UL®
LISTED



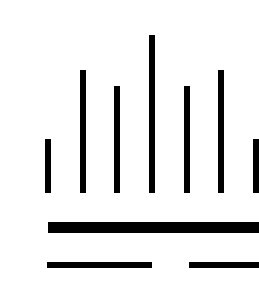
Enhanced motion detection

- The detector has 2 built-in sensors: PIR and K-band
- Motion detection distance of up to 12 m
- Horizontal motion detection angle: 88.5°
- Temperature compensation for motion detection at any operating temperature



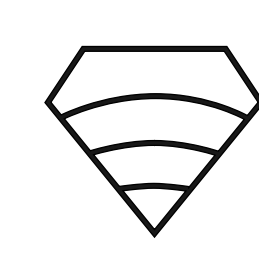
Sabotage resistance

- Tamper alarm
- Device authentication to prevent spoofing



False alarms prevention

- Dual technology: verification of PIR sensor alarms with a microwave sensor
- Three sensitivity levels: selectable in the app
- SmartDetect algorithm to prevent false alarms
- Pet immunity: pets with a height of up to 50 cm and a weight¹ of up to 20 kg

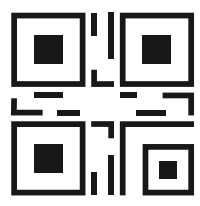


Jeweller

communication technology

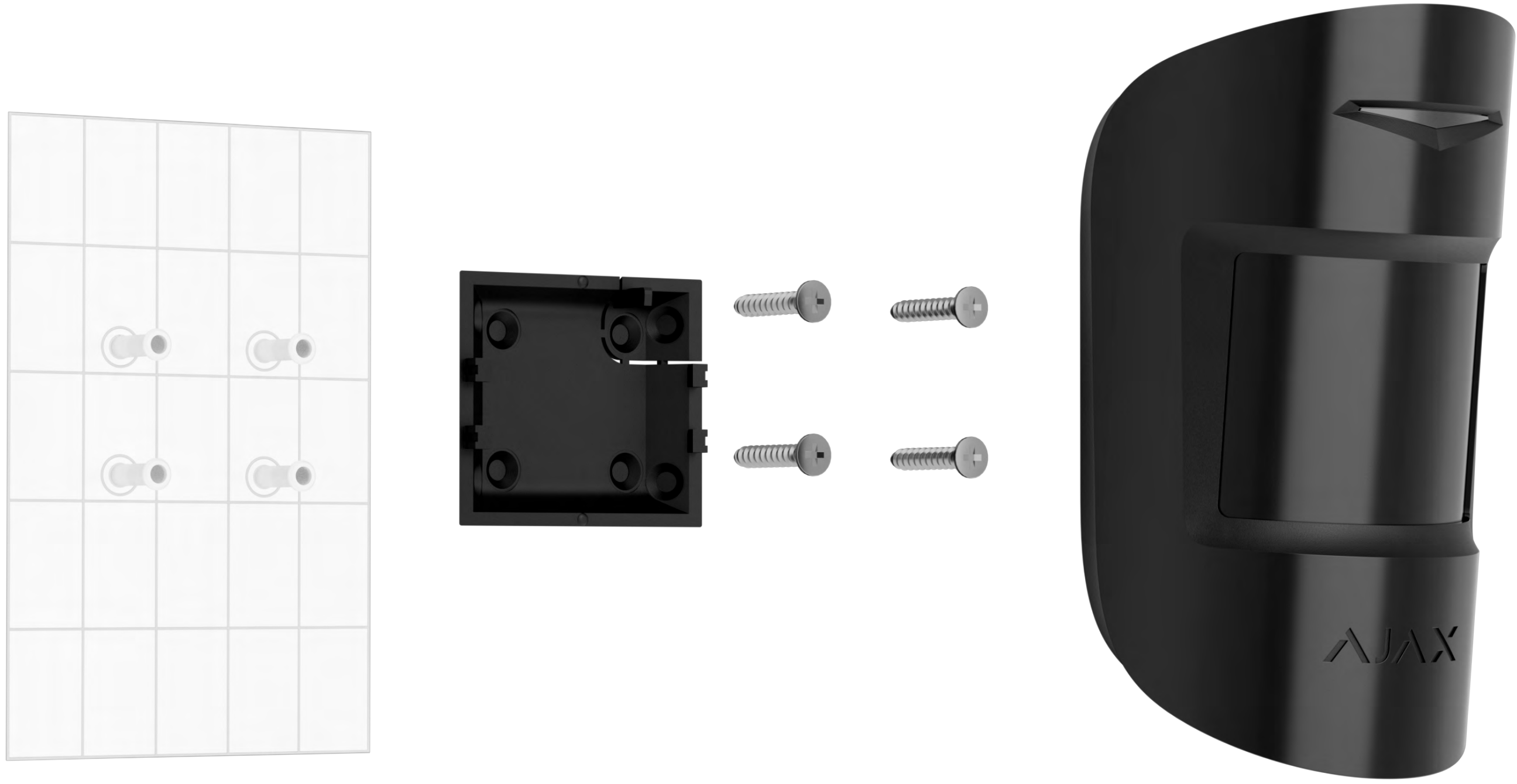
- Up to 1,200 m of radio communication in an open space
- Data is encrypted throughout the transmission process
- Regular polling to display current device states
- Jamming detection and frequency hopping

¹With proper installation and configuration.



Effortless installation, maintenance, and configuration

- Pairing with a hub via QR code
- Remote control and configuration in mobile and desktop apps
- Up to 5 years of operation with pre-installed batteries
- Installation and replacement without opening the enclosure



Superior, Fibra, and Baseline product lines are mutually compatible. This opens up numerous possibilities for building systems of any configuration.

Compliance with standards EN 50131 (Grade 2) PD 6662:2017 UL	Communication with a hub Jeweller communication technology Communication range up to 1,200 m In an open space Radio frequency band 866.0–866.5 MHz 868.0–868.6 MHz 868.7–869.2 MHz 905.0–926.5 MHz 915.85–926.5 MHz 921.0–922.0 MHz Depends on the sales region	Detection Sensing elements 1 × PIR sensor 1 × K-band microwave sensor Motion detection distance up to 12 m When installed at a height of 2.4 meters Horizontal detection angle 88.5° Motion detection speed from 0.3 to 2.0 m/s The direction of the detector lens should be perpendicular to an alleged intrusion path into the facility. Temperature compensation Sensitivity 3 levels Adjusted by a PRO or a user with admin rights in the Ajax app Pet immunity weight: up to 20 kg height: up to 50 cm		
Compatibility Hubs Hub Jeweller Hub Plus Jeweller Hub 2 (2G) Jeweller Hub 2 (4G) Jeweller Hub 2 Plus Jeweller Hub Hybrid (2G) Hub Hybrid (4G) Range extenders ReX Jeweller ReX 2 Jeweller	Power supply Battery 1 × CR123A (pre-installed) Battery life up to 5 years	Enclosure Colour white, black Dimensions 110 × 65 × 50 mm Weight 96 g	Installation Operating temperature range from –10 °C to +40 °C Operating humidity up to 75% Recommended installation height 2.4 m	Complete set MotionProtect Plus Jeweller SmartBracket mounting panel 1 × CR123A battery (pre-installed) Installation kit Quick start guide



For detailed information, scan the QR code or follow the link:
ajax.systems/products/motionprotectplus/

- ✉ support@ajax.systems
- 📍 @AjaxSystemsSupport_Bot
- 🌐 ajax.systems