



MotionProtect Plus

Wireless indoor motion detector with additional microwave sensor

The Ajax hub is required for operation. Find the detailed information on the official website.



<https://ajax.systems/support/devices/motionprotectplus>



Grade 2 EN 50131



PD 6662:2017



High-end PIR sensor and optical system with up to 12 m detection distance, and 88.5°/80° viewing angles.



Up to 5 years of autonomous operation on a pre-installed battery.



Immunity to pets with a weight of up to 20 kg and height up to 50 cm.



Pairing with the security system within 30 seconds via QR code.



SmartDetect software algorithm to analyse the signal from the PIR sensor and prevent false alarms.



Mobile and desktop apps to adjust, test, and control the security system.



Two-way encrypted communication with control panel at the range of up to 1,200 m.



The additional microwave sensor filters false alarms from the air conditioner and curtain movement.



Tampering alarm.

Tech Specs

General

| | | | |
|---------------|----------------|--------------|------------------------------------|
| Colour | white, black | Installation | indoor at a height of 2.4 m |
| Compatibility | all hubs & ReX | Compliance | EN 50131 (Grade 2) PD 6662:2017 |

Communication

| | | | |
|------------------------|--|--|---------------|
| Communication protocol | Jeweller: two-way encrypted communication of event and alarms | Radio communication range | up to 1,200 m |
| Frequency band | 868.0–868.6 MHz 868.7–869.2 MHz 863.0–870.0 MHz (depends on the region of sale) | Maximum effective radiated power (ERP) | ≤ 20 mW |

Detection

| | | | |
|---------------------------|--|-------------------------|--|
| Motion detection distance | up to 12 m | Motion detection angles | horizontally – 88.5° vertically – 80° |
| Pet immunity | weight up to 20 kg height up to 50 cm | Sensitivity | 3 levels (set by user in app) |

Power supply

| | | | |
|--------------|----------------|--------------|---------------|
| Power supply | 1 x CR123, 3 V | Battery life | up to 5 years |
|--------------|----------------|--------------|---------------|

Antisabotage protection

| | | | |
|-------------------|---|-------------------------------|------------------------------------|
| Tampering alarm | + | Pings | 12–300 sec (set by user in app) |
| Frequency hopping | + | Protection against forgery | + |

Body and complete set

| | | | |
|--------------------------------|---|--------------------|-----------|
| Operating temperature range | from –10°C to +40°C | Operating humidity | up to 75% |
| Overall dimensions | 110 × 65 × 50 mm | Weight | 96 g |
| Complete set | MotionProtect Plus SmartBracket mounting panel 1 x CR123 (pre-installed) Installation kit Quick start guide | | |