

MotionProtect S Plus

Wireless IR motion detector with a K-band microwave sensor. Developed for projects

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| Compatibility | Control panels Hub Plus Hub 2 (2G) Hub 2 (4G) Hub 2 Plus Hub Hybrid (2G) Hub Hybrid (4G) Range extenders ReX ReX 2 |
| Communication | Jeweller communication technology Proprietary wireless communication technology to transmit commands, alarms, and events. Key features: <ul style="list-style-type: none">• Two-way communication.• Advanced sabotage protection.• Block encryption featuring a dynamic key.• Instant notifications.• Remote configuration in the Ajax apps. Frequency bands 868.0–868.6 MHz Maximum effective radiated power (ERP) up to 20 mW Automatic power control to reduce power consumption and noise interference. Radio signal modulation GFSK Radio signal range up to 1,700 m up to 5,600 ft Between detector and control panel (or range extender) in an open space. Encrypted communication All the data stored and transmitted are protected by block encryption with a dynamic key. Frequency hopping Radio communication uses frequency hopping to prevent interception and jamming. |
| Detection | Sensitive element PIR sensor microwave sensor K-band microwave sensor to prevent false alarms caused by thermal interference. Operation frequency: 24 GHz. |

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| | <p>Motion detection distance up to 12* m up to 39 ft When installed at the height of 2.4 m. When installed at the height of 7.9 ft.</p> <p>* – 10 m according to INCERT (with high sensitivity level)</p> <p>Motion detection angles horizontal: 88.5°</p> <p>Motion detection speed from 0.3 to 2 m/s from 1 to 6.6 ft/s The direction of the detector lens should be perpendicular to an alleged intrusion path into the facility.</p> <p>Sensitivity 3 levels Adjusted by PRO or user with admin rights in the Ajax app.</p> <p>Pet immunity weight: up to 20 kg weight: up to 44 lb height: up to 50 cm height: up to 1.6 ft</p> <p>False alarm prevention SmartDetect Software algorithm.</p> <p>Temperature compensation Effective motion detection at temperatures from -10°C to +40°C. from 14°F to 104°F.</p> |
| Recommendations | <p>It is recommended to install the detector at a height of 2.4 m. It is recommended to install the detector at a height of 7.9 ft. The device is designed for indoor use only.</p> |
| Sabotage protection | <p>Tamper alarm Notifications on attempts to detach the detector from the surface or remove it from the mounting panel.</p> <p>Holding screw to secure the detector on SmartBracket</p> <p>Protection against spoofing device authentication</p> <p>Communication loss detection after 36 s Detection time depends on the Jeweller or Jeweller/Fibra settings.</p> |
| Power supply | Battery |

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| | <p>1 × CR123A Pre-installed.</p> <p>Type Type C</p> <p>Calculated battery life up to 5 years</p> <p>Detector's operating voltage range 2.1–3.3 V_{DC}</p> <p>Detector's nominal operating voltage 3 V_{DC}</p> <p>Quiescent detector's current consumption at nominal voltage 0.019 mA</p> <p>Maximum detector's current consumption at nominal voltage 2.75 mA</p> <p>Full capacity 1,600 mAh</p> <p>Low battery voltage 2.5 V_{DC}</p> <p>Low battery recovery voltage 2.7 V_{DC}</p> <p>End of life battery voltage 2.1 V_{DC} Device is switched off.</p> <p>End of life battery capacity 300 mAh</p> <p>Manufacturer Panasonic</p> |
| Enclosure | <p>Dimensions 110 × 65 × 50 mm 4.33" × 2.56" × 1.97"</p> <p>Weight 105 g 3.7 oz</p> <p>Operating temperature range from -10°C to +40°C from 14°F to 104°F</p> <p>Operating humidity up to 75%</p> <p>Protection class IP30</p> |
| Colours | Black |

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| | White |
| Complete set | MotionProtect S Plus Jeweller SmartBracket mounting panel with holding screw CR123A battery (pre-installed) Installation kit Quick start guide |
| Warranty | 24 months |