

# Superior MotionProtect Plus Jeweller

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



This is a device of the Superior product line. Only accredited Ajax Systems partners can sell, install, and maintain Superior products.

BASELINE

## MotionProtect Plus Jeweller

Compliance with international security standards

SmartBracket mounting panel without holding screw

Standard battery

Glossy enclosure

Available to all PROs

SUPERIOR

## Superior MotionProtect Plus Jeweller

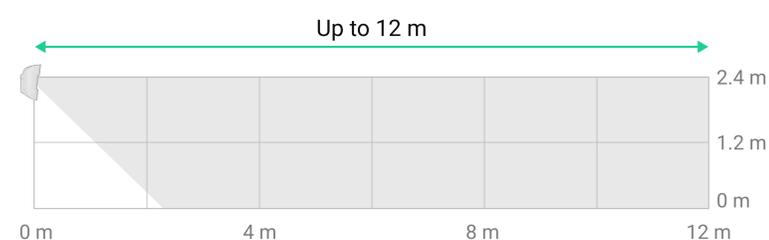
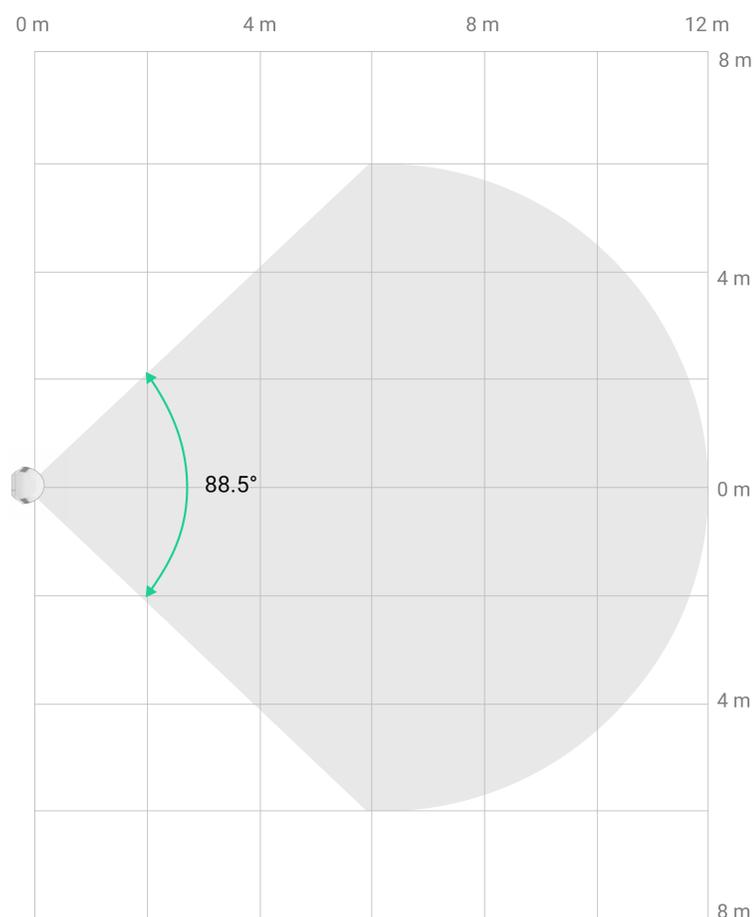
Compliance with both international and local security standards

SmartBracket mounting panel with a holding screw

Enhanced battery for stable operation in any temperature

Matte enclosure

Available only to accredited partners



## Enhanced motion detection

- PIR and K-band microwave sensors
- Horizontal viewing angle: 88.5°
- Up to 12 m (39 ft) of detection range<sup>1</sup>
- Temperature compensation: accurate motion detection from -10 °C to +40 °C (from 14 °F to 104 °F)



## False alarms prevention

- Three sensitivity levels selectable in Ajax apps
- SmartDetect algorithm to prevent false alarms
- Pet immunity to ignore pets weighing up to 20 kg (44 lb) and below 50 cm (1.6 ft) in height



## Sabotage protection

- Device authentication to prevent spoofing
- Holding screw to secure the device on SmartBracket
- Tamper button to alert of attempts to detach the detector or remove it from the mounting panel



## Jeweller

communication technology

- Up to 1,200 m (3,900 ft) of radio communication range in open space
- Data encryption throughout the transmission process
- Regular polling to display current device states
- Jamming detection and frequency hopping



## Enduring performance

- Up to 5 years of operation on the enhanced battery
- Low battery notifications in Ajax apps
- Replaceable CR123A battery



## Hassle-free installation

- SmartBracket panel to mount the device without enclosure disassembly
- Adding to the hub by scanning a QR code
- Remote control and configuration in Ajax apps

<p><b>Compliance with standards</b></p> <p>EN 50131 (Grade 2) PD 6662:2017 INCERT SSF NFA2P</p>	<p><b>Compatibility with hubs and range extenders</b></p> <p>For detailed information, scan the QR code or follow the link:</p>  <p><a href="https://ajax.systems/tools/devices-compatibility/?models=MP.SP.J">ajax.systems/tools/devices-compatibility/?models=MP.SP.J</a></p>	<p><b>Communication with a hub or range extender</b></p> <p>Jeweller communication technology</p> <p>Frequency band 868.0–868.6 MHz</p> <p>Communication range up to 1,200 m up to 3,900 ft In open space</p>	<p><b>Detection</b></p> <p><b>Sensitive element</b> 1 × PIR sensor 1 × K-band microwave sensor</p> <p><b>Three sensitivity levels</b> selectable in the apps</p> <p><b>SmartDetect</b> digital algorithm for preventing false alarms</p> <p><b>Motion detection distance<sup>1</sup></b> up to 12 m up to 39 ft When the detector is installed at a height of 2.4 m (9 ft)</p> <p><b>Motion detection angles</b> horizontal: 88.5°</p> <p><b>Motion detection speed</b> from 0.3 to 2.0 m/s from 1 to 6.6 ft/s The detector lens should be aimed perpendicular to a likely route of entry into a facility.</p> <p><b>Pet immunity</b> weight: up to 20 kg (44 lb) height: up to 50 cm (1.6 ft)</p>
<p><b>Power supply</b></p> <p><b>Battery</b> 1 × CR123A (pre-installed)</p> <p><b>Battery life</b> up to 5 years</p> <p><b>Complete set</b></p> <p>Superior MotionProtect Plus Jeweller SmartBracket mounting panel with a holding screw CR123A battery (pre-installed) Installation kit Quick start guide</p>	<p><b>Installation</b></p> <p><b>Operating temperature range</b> from -10 °C to +40 °C from 14 °F to 104 °F</p> <p><b>Operating humidity</b> up to 75%</p> <p><b>Recommended installation height</b> 2.4 m 7.9 ft</p>	<p><b>Enclosure</b></p> <p><b>Color</b> white, black</p> <p><b>Dimensions</b> 110 × 65 × 50 mm 4.33" × 2.56" × 1.97"</p> <p><b>Weight</b> 105 g 3.70 oz</p> <p><b>Protection class</b> IP50, IK04</p>	

<sup>1</sup> INCERT certification requires a detection range of up to 10 m (33 ft) at high sensitivity.



For detailed information, scan the QR code or follow the link:

[ajax.systems/support/devices/superior-motionprotect-plus-jeweller/](https://ajax.systems/support/devices/superior-motionprotect-plus-jeweller/)



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