

Ajax Superior MotionProtect Plus G3 Jeweller

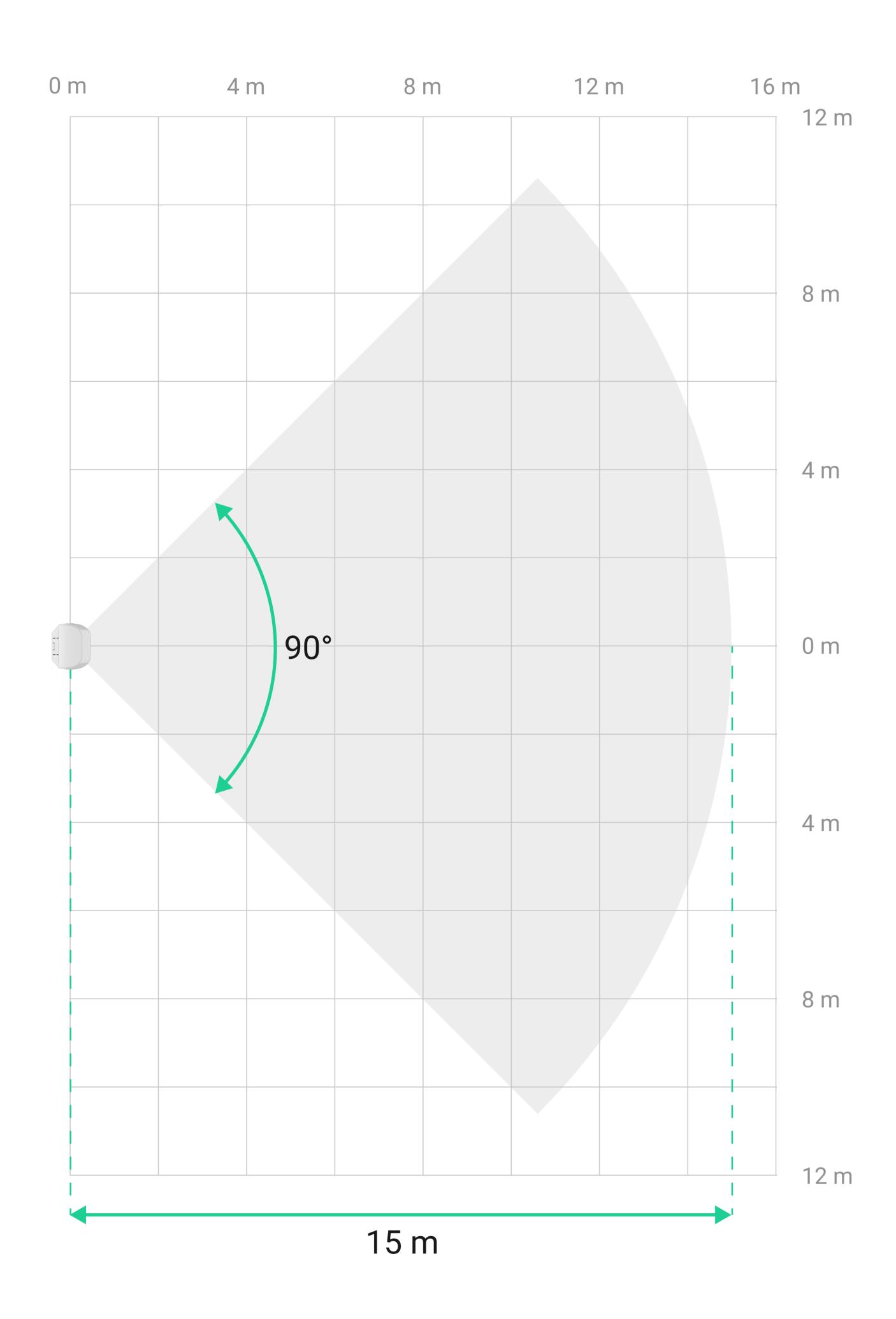
Wireless PIR motion detector with an additional K-band microwave sensor and anti-masking system

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









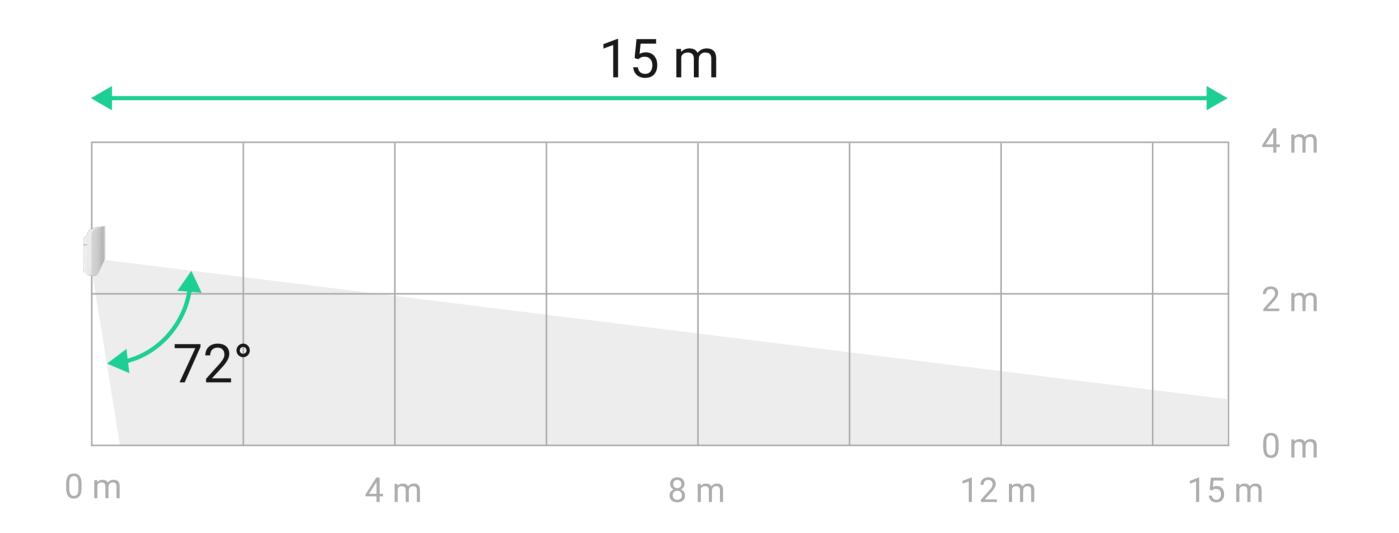


Ajax Superior MotionProtect Plus G3 Jeweller does not support the pet immunity feature.

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- Dual motion detection with PIR and K-band microwave sensors
- Up to 15 m (49 ft) of motion detection distance
- Minimized blind zone: 30 cm (0.98 ft)
- Proprietary optical system with PIR sensor and multifaceted mirror to focus IR radiation
- Detection of any fast or slow movement, including crawling





False alarm prevention

- Dual detection with a K-band microwave sensor filtering out IR interference
- SmartDetect software algorithm to filter out headlights, lighting devices, and heat flows
- Three motion detection sensitivity levels for any site and conditions
- Three sensitivity levels for masking detection



Superior Jeweller and Wings communication technologies

- Up to 3,500 m (11,450 ft) of radio communication in open space¹
- Enhanced encryption throughout data transmission
- Regular polling to display the current device state
- Over-the-air firmware updates



Advanced system supervision

- Regular self-check of PIR, microwave, and antimasking sensors
- Early low-battery notifications
- Instant malfunction notifications



Sabotage protection

- Three tamper buttons to prevent device dismantling or detachment
- Locker for fixing the device on the SmartBracket mounting panel
- Communication loss detection within² 36 seconds
- Frequency hopping to prevent radio interference and jamming
- Device authentication to prevent spoofing

Hassle-free installation

- Adding to the system via QR code
- Up to five (TBC) years of operation on pre-installed batteries
- Fast installation and battery replacement without enclosure disassembly
- Option for side installation
- All necessary fasteners included in the complete set
- Setup in minutes via an Ajax app no programming required
- Remote control and configuration in mobile and desktop apps

Compliance with standards

EN 50131 (Grade 3) PD 6662:2017

Compatibility with hubs and range extenders

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



<u>ajax.systems/tools/devices-</u> <u>compatibility/?models=MPP.G3.J</u>

Communication with a hub or range extender

Superior Jeweller communication technology

Wings communication technology

Frequency bands
865.0-868.0 MHz
868.0-868.6 MHz
868.7-869.2 MHz
869.4-869.65 MHz

The device supports these four bands

Communication range¹

up to 3,500 m up to 11,450 ft In open space

Polling interval

Adjusted by a PRO or user with admin rights via Ajax apps

Over-the-air firmware updates

Motion detection

Sensitive element

1 × PIR sensor

1 × K-band microwave sensor

Motion detection distance

up to 15 m up to 49 ft

When the detector is installed at a height of 2.4 m (7.9 ft)

Motion detection angle

horizontal: 90° vertical: 71°

Motion detection sensitivity

3 levels

Adjusted in Ajax apps

Masking detection sensitivity

3 levels

Adjusted in Ajax apps

Power supply

Battery
4 × CR123A
(pre-installed)

Battery life
up to 5 years (TBC)

Installation

Recommended installation height
2.4 m
7.9 ft

Operating temperature range from -10 °C to +40 °C

Operating humidity up to 75%

from 14 °F to 104 °F

Enclosure

Color black, white

Dimensions $135 \times 66 \times 60 \text{ mm}$

5.31" × 2.60" × 2.36"

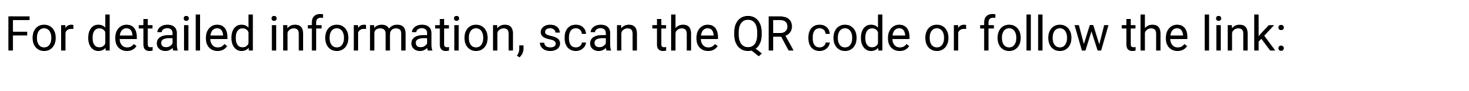
Weight TBC

Protection class IP30

Complete set

Ajax Superior MotionProtect
Plus G3 Jeweller
SmartBracket mounting panel
4 × CR123A battery (pre-installed)
Installation kit
Quick start guide









support@ajax.systems



¹ Communication range depends on the hub model.

² If the polling interval is set to send three data packets as often as every 12 seconds.