

# Ajax Superior MotionProtect G3 Jeweller

Wireless PIR motion detector  
with an anti-masking system

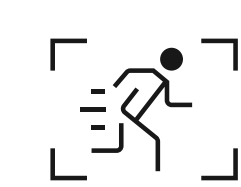
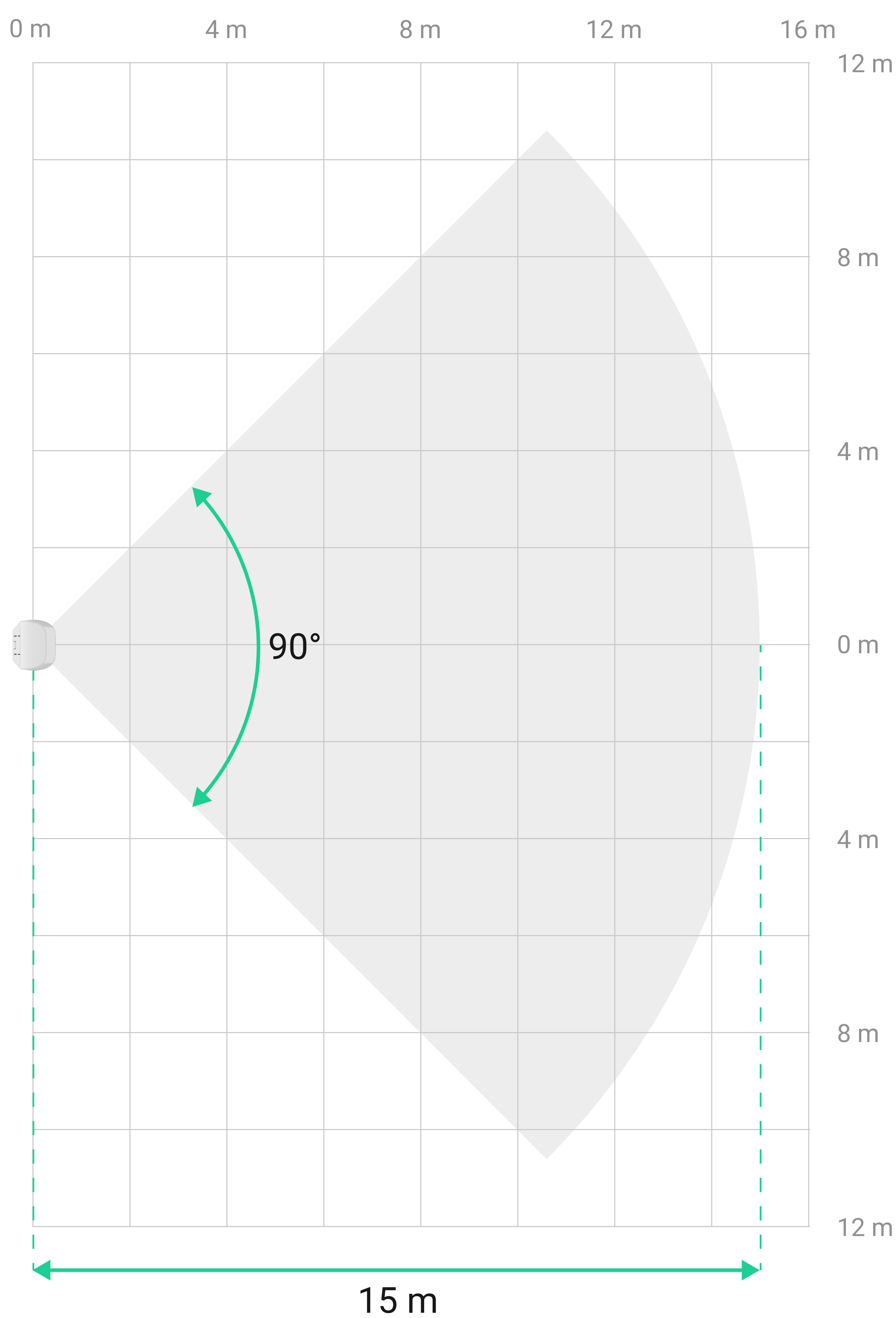


3  
GRADE  
EN 50131

PD 6662  
2017

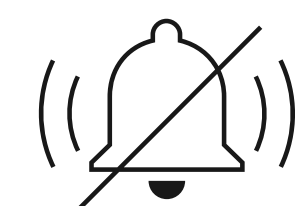
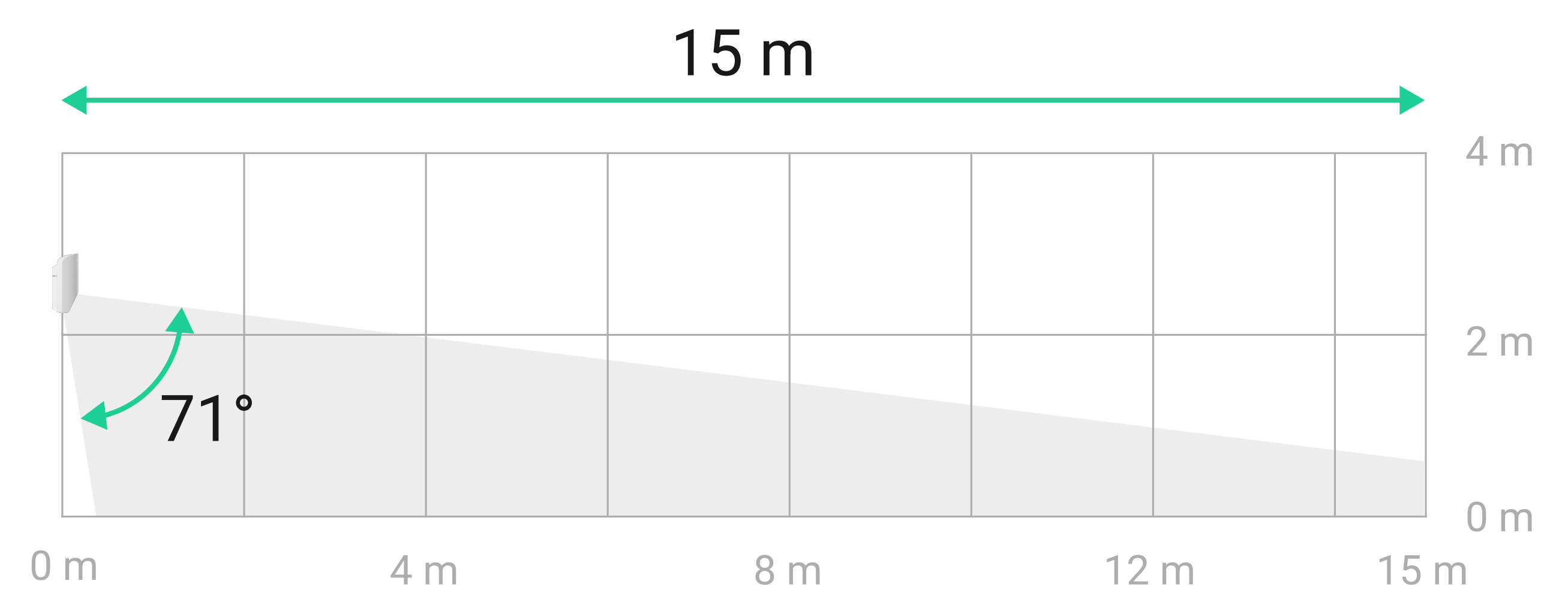


This is a device of the Superior product line. Only accredited Ajax Systems partners can sell, install, and maintain Superior products.



## Motion detection

- 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

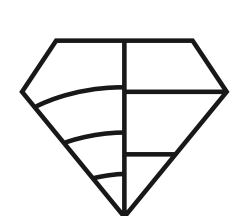


## False alarm prevention

- 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

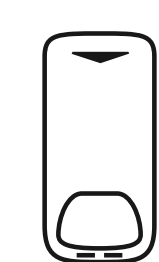


Ajax Superior MotionProtect G3 Jeweller does not support the pet immunity feature.



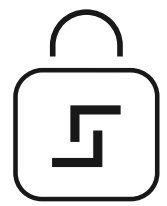
## Superior Jeweller and Wings communication technologies

- Up to 3,000 m (9,800 ft) of radio communication in open space<sup>1</sup>
- Enhanced encryption throughout data transmission
- Regular polling to display the current device state
- Over-the-air firmware updates



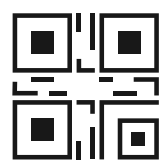
## Advanced system supervision

- Regular self-check of PIR and anti-masking 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 within<sup>2</sup> 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 seven 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

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|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Compliance with standards</b><br><br>EN 50131 (Grade 3)<br>PD 6662:2017                               | <b>Compatibility with hubs and range extenders</b><br><br>For detailed information, scan the QR code or follow the link:<br><br><a href="https://ajax.systems/tools/devices-compatibility/?models=MP.G3.J">ajax.systems/tools/devices-compatibility/?models=MP.G3.J</a> | <b>Communication with a hub or range extender</b><br><br>Superior Jeweller communication technology<br><br>Wings communication technology<br><br>Frequency bands<br>865.0–868.0 MHz<br>868.0–868.6 MHz<br>868.7–869.2 MHz<br>869.4–869.65 MHz<br>The device supports these four bands<br><br>Communication range <sup>1</sup><br>up to 3,000 m<br>up to 9,800 ft<br>In open space<br><br>Polling interval<br>12–300 s<br>Adjusted by a PRO or user with admin rights via Ajax apps<br><br>Over-the-air firmware updates | <b>Motion detection</b><br><br>Sensitive element<br>1 × PIR sensor<br><br>Motion detection distance<br>up to 15 m<br>up to 49 ft<br>When the detector is installed at a height of 2.4 m (7.9 ft)<br><br>Motion detection angle<br>horizontal: 90°<br>vertical: 71°<br><br>Motion detection sensitivity<br>3 levels<br>Adjusted in Ajax apps<br><br>Masking detection sensitivity<br>3 levels<br>Adjusted in Ajax apps |
| <b>Power supply</b><br><br>Battery<br>4 × CR123A<br>(pre-installed)<br><br>Battery life<br>up to 7 years | <b>Installation</b><br><br>Recommended installation height<br>2.4 m<br>7.9 ft<br><br>Operating temperature range<br>from –10 °C to +40 °C<br>from 14 °F to 104 °F<br><br>Operating humidity<br>up to 75%                                                                                                                                                  | <b>Enclosure</b><br><br>Color<br>black, white<br><br>Dimensions<br>135 × 66 × 60 mm<br>5.31" × 2.60" × 2.36"<br><br>Weight of device in black    Weight of device in white<br>304 g                              308 g<br>10.72 oz                         10.86 oz<br><br>Protection class<br>IP30                                                                                                                                                                                                                     | <b>Complete set</b><br><br>Ajax Superior MotionProtect G3 Jeweller<br>SmartBracket mounting panel<br>4 × CR123A battery (pre-installed)<br>Installation kit<br>Quick start guide                                                                                                                                                                                                                                      |

<sup>1</sup> Communication range depends on the hub model.

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



For detailed information, scan the QR code or follow the link:  
[ajax.systems/support/devices/superior-motionprotect-g3-jeweller](https://ajax.systems/support/devices/superior-motionprotect-g3-jeweller)

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