

# Superior MotionProtect Jeweller

Wireless PIR motion detector

- 2

GRADE

EN 50131
- PD 6662

2017
- INCERT
- SSF
- NFA2P

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



| BASELINE<br>MotionProtect Jeweller                  | SUPERIOR<br>Superior MotionProtect Jeweller                     |
|-----------------------------------------------------|-----------------------------------------------------------------|
| Compliance with international security standards    | Compliance with both international and local security standards |
| SmartBracket mounting panel without a holding screw | SmartBracket mounting panel with a holding screw                |
| Common battery                                      | Enhanced battery                                                |
| Glossy enclosure                                    | Matte enclosure                                                 |
| Available for all PROs                              | Available only for accredited partners                          |

## Advanced motion detection

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

## Sabotage protection

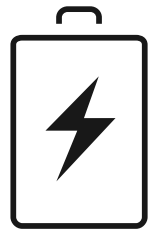
- Device authentication to prevent spoofing
- Holding screw to secure the device on the SmartBracket mounting panel
- Tamper alarm to trigger notifications on attempts to dismantle the device

## Seamless user experience

- Three sensitivity levels: selectable in the app
- 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

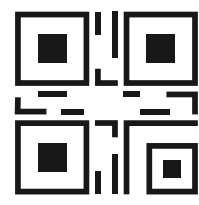
## Jeweller communication technology

- Up to 1,700 m (5,550 ft) of radio communication range in open space
- Data encryption throughout the transmission process
- Regular polling to display the current device state
- Jamming detection and frequency hopping



## Sustained performance

- Up to 5 years of operation on a pre-installed battery
- Low battery notifications in Ajax apps
- Replaceable CR123A battery



## Quick installation and setup

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

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| <div>Compliance with standards</div> <div>EN 50131 (Grade 2)<br/>PD 6662:2017<br/>INCERT<br/>SSF<br/>NFA2P</div>                                                                                                                                                                                                          | <div>Compatibility with hubs and range extenders</div> <div>For detailed information, scan the QR code or follow the link:</div> <div></div> <div><a href="https://ajax.systems/tools/devices-compatibility/?models=MP.S.J">ajax.systems/tools/devices-compatibility/?models=MP.S.J</a></div> | <div>Communication with a hub or range extender</div> <div>Jeweller communication technology</div> <div>Frequency band<br/>868.0—868.6 MHz</div> <div>Communication range<br/>up to 1,700 m<br/>up to 5,550 ft<br/>In open space</div> | <div>Detection</div> <div>Sensitive element<br/>1 × PIR sensor</div> <div>Three sensitivity levels selectable in the app</div> <div>SmartDetect<br/>digital algorithm for preventing false alarms</div> <div>Motion detection range<br/>up to 12 m<sup>1</sup><br/>up to 39 ft<br/>When the detector is installed at a height of 2.4 m (9 ft)</div> <div>Motion detection angles<br/>horizontal: 88.5°</div> <div>Motion detection speed<br/>from 0.3 to 2.0 m/s<br/>from 1 to 6.6 ft/s<br/>The detector lens should be aimed perpendicular to a likely route of entry into a facility.</div> <div>Pet immunity<br/>weight: up to 20 kg (44 lb)<br/>height: up to 50 cm (1.6 ft)</div> |
| <div>Power supply</div> <div>Battery<br/>1 × CR123A (pre-installed)</div> <div>Battery life<br/>up to 5 years</div> <div>Complete set</div> <div>Superior MotionProtect Jeweller<br/>SmartBracket mounting panel with a holding screw<br/>CR123A battery (pre-installed)<br/>Installation kit<br/>Quick start guide</div> | <div>Installation</div> <div>Operating temperature range<br/>from −10 °C to +40 °C<br/>from 14 °F to 104 °F</div> <div>Operating humidity<br/>up to 75%</div> <div>Recommended installation height<br/>2.4 m<br/>7.9 ft</div>                                                                                                                                                  | <div>Enclosure</div> <div>Color<br/>black, white</div> <div>Dimensions<br/>110 × 65 × 50 mm<br/>4.33" × 2.56" × 1.97"</div> <div>Weight<br/>97 g<br/>3.42 oz</div> <div>Protection class<br/>IP50, IK04</div>                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

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



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