

MotionProtect Curtain Jeweller

Wireless indoor curtain-type IR motion detector with a narrow view angle

An Ajax hub is required for operation.



Up to 15 m detection distance



6°/90° viewing angles



IP54 enclosure protection



Temperature compensation



False alarms prevention algorithm



Up to 1,700 m of two-way wireless communication



Up to 3 years of operation on pre-installed battery



Effortless installation and replacement

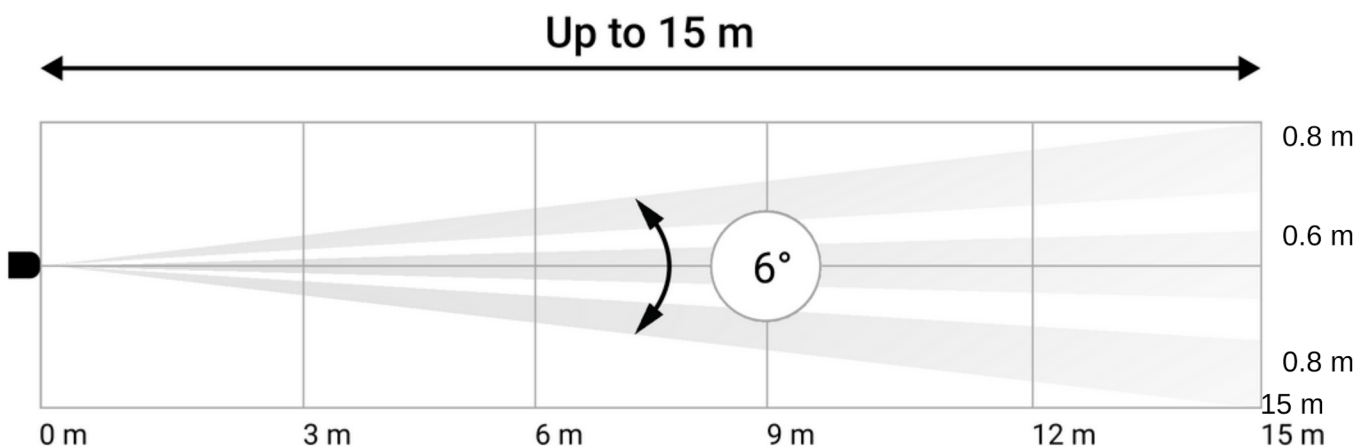


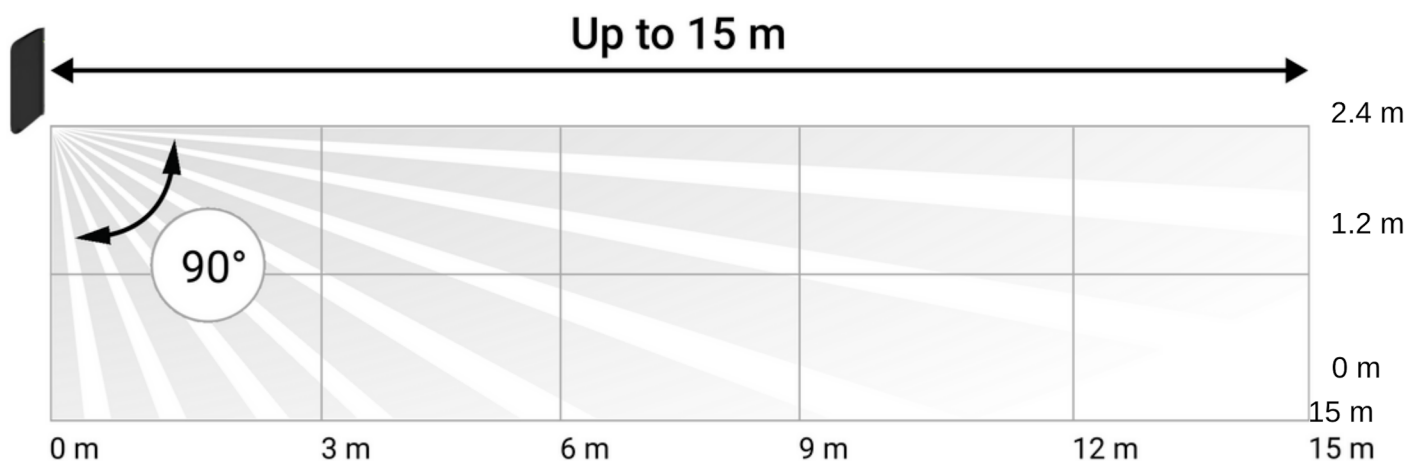
Remote control and setup via the app



Connecting via QR code

PIR sensors coverage angles





Motion detection distance

Sensitivity	Motion detection range w/ Signal Correlation Processing*	Motion detection range w/o Signal Correlation Processing*
Low	Up to 6 m	Up to 11 m
Normal	Up to 7 m	Up to 13 m
High	Up to 8 m	Up to 15 m

*in an ambient temperature of 23°C



Correlation Signal Processing (CSP) is a protection method against false alarms. CSP is optional and can be activated in the detector settings. When the option is enabled, MotionProtect Curtain raises an alarm only if both PIR sensors detect infrared radiation and signals from PIR sensors are identical.



 **Jeweller**
communication technology



Jeweller is a two-way wireless data transfer protocol that provides fast and reliable communication between hubs and devices. The protocol delivers instant data-rich alarms: security companies and users know which device was triggered, when and where it happened.

Jeweller features encryption and authentication to prevent forgery, and polling to display devices' status in real time. Supporting up to 1,700 m of wireless connectivity, Jeweller is ready to protect facilities and deliver the best user experience for both end users and installers.

Technical specifications

Compliance with standards	EN 50131 (Grade 2) PD 6662:2017	Compatibility	<p>Hubs All Ajax hubs</p> <p>Range extenders All Ajax radio signal range extenders</p>
Communication with control panel	<p>Jeweller communication technology</p> <p>Frequency bands 866.0 – 866.5 MHz 868.0 – 868.6 MHz 868.7 – 869.2 MHz 905.0 – 926.5 MHz 915.85 – 926.5 MHz 921.0 – 922.0 MHz Depends on the region of sales.</p> <p>Maximum effective radiated power (ERP) ≤ 20 mW</p> <p>Communication range up to 1,700 m In an open space.</p> <p>Polling interval 12–300 s Adjusted by PRO or user with admin rights in the Ajax app.</p>	Motion detection	<p>Sensing element 2 × PIR sensor</p> <p>Motion detection distance Up to 15/13/11 m without CSP Up to 8/7/6 m with CSP Depends on sensitivity settings.</p> <p>Sensitivity 3 levels Adjusted by PRO or user with admin rights in the Ajax app.</p> <p>Detection angles horizontal — 6° vertical — 90°</p> <p>Temperature compensation yes</p>

Power supply	<p>Battery 1 × CR123A, 3 V Pre-installed.</p> <p>Battery life up to 3 years</p>	Installation	<p>Operating temperature range from –25°C to +60°C</p> <p>Operating humidity up to 95%</p> <p>Ingress protection IP54</p>
Enclosure	<p>Colour white, black</p> <p>Dimensions 134 × 44 × 34 mm</p> <p>Weight 118 g</p> <p>Tampering alarm yes</p>	Complete set	<p>MotionProtect Curtain Jeweller SmartBracket mounting panel Side mount bracket 1 × CR123A Pre-installed. Installation kit Quick Start Guide</p>