

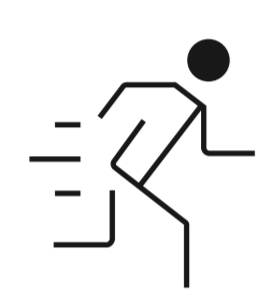
# MotionProtect Curtain Jeweller

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

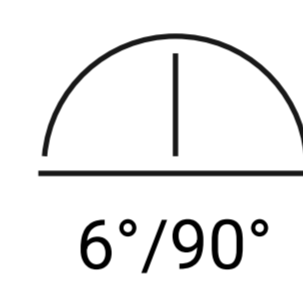


An Ajax hub is required for operation. Find the detailed information on the device by the link:

[ajax.systems/support/devices/motionprotectcurtain/](https://ajax.systems/support/devices/motionprotectcurtain/)



Up to 15 m detection distance



6°/90° viewing angles



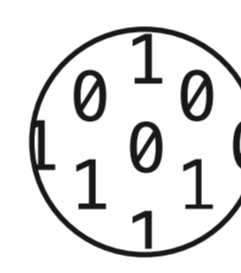
IP54 enclosure protection



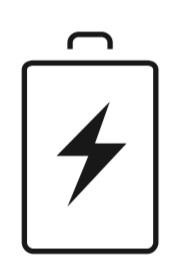
Temperature compensation



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



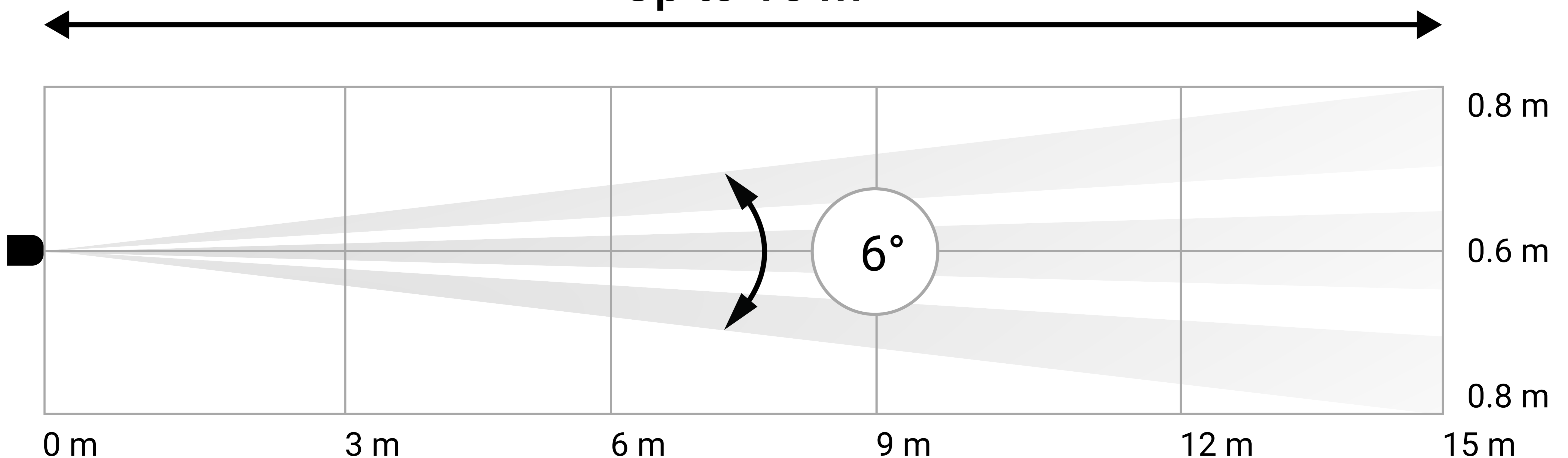
Remote control and setup via the app

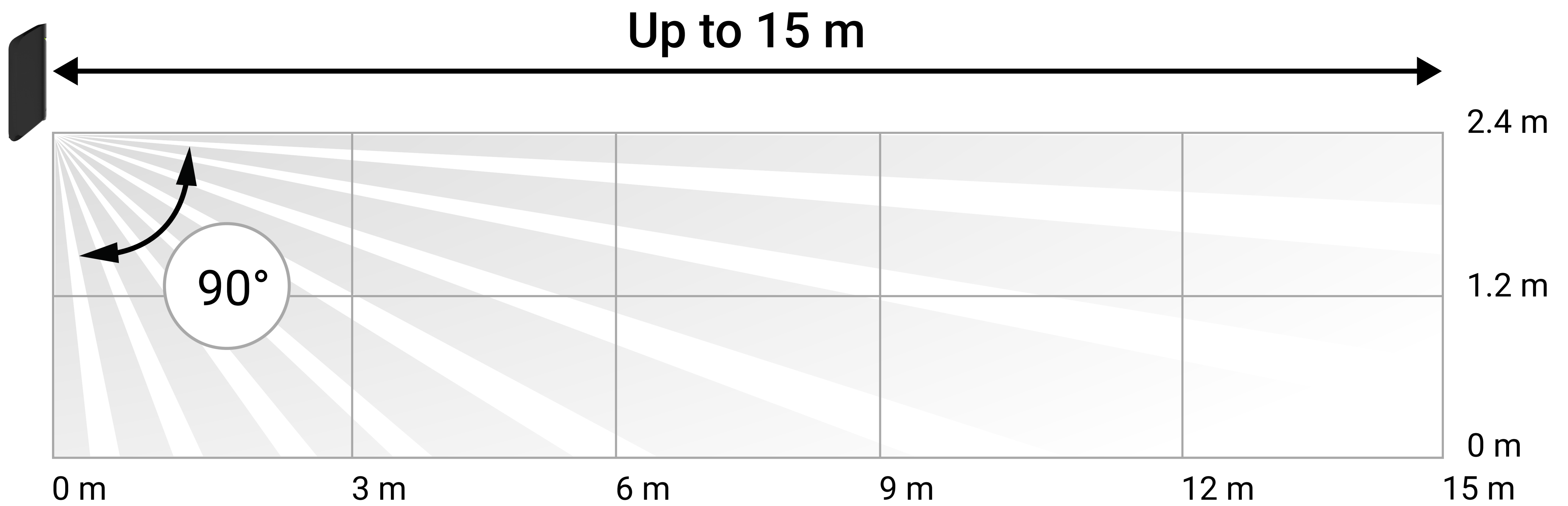


Connecting via QR code

## PIR sensors coverage angles

Up to 15 m





## 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	<b>EN 50131 (Grade 2)</b> <b>PD 6662:2017</b> <b>UL369, ULC S306</b>	Compatibility	<b>Hubs</b> All Ajax hubs  <b>Range extenders</b> All Ajax radio signal range extenders
Communication with control panel	 <b>Jeweller communication technology</b>  <b>Frequency bands</b> 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.  <b>Maximum effective radiated power (ERP)</b> ≤ 20 mW  <b>Communication range</b> up to 1,700 m In an open space.  <b>Polling interval</b> 12–300 s Adjusted by PRO or user with admin rights in the Ajax app.	Motion detection	<b>Sensing element</b> 2 × PIR sensor  <b>Motion detection distance</b> Up to 15/13/11 m without CSP Up to 8/7/6 m with CSP Depends on sensitivity settings.  <b>Sensitivity</b> 3 levels Adjusted by PRO or user with admin rights in the Ajax app.  <b>Detection angles</b> horizontal – 6° vertical – 90°  <b>Temperature compensation</b> yes

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