

GlassProtect Jeweller

Wireless indoor glass break detector



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

 <http://ajax.systems/support/devices/glassprotect/>



2
GRADE
EN 50131

PD 6662
2017

Key features



Up to 9 m glass break detection distance with 180° horizontal detection angle



Two-factor glass break verification algorithm: by low and high frequencies



Filter for false alarms caused by dogs barking or the sound of passing trucks



Additional NC input for connecting a third-party detector



Up to 7 years of operation on pre-installed battery



Up to 1,000 m of two-way encrypted wireless communication



Remote control and setup via the app



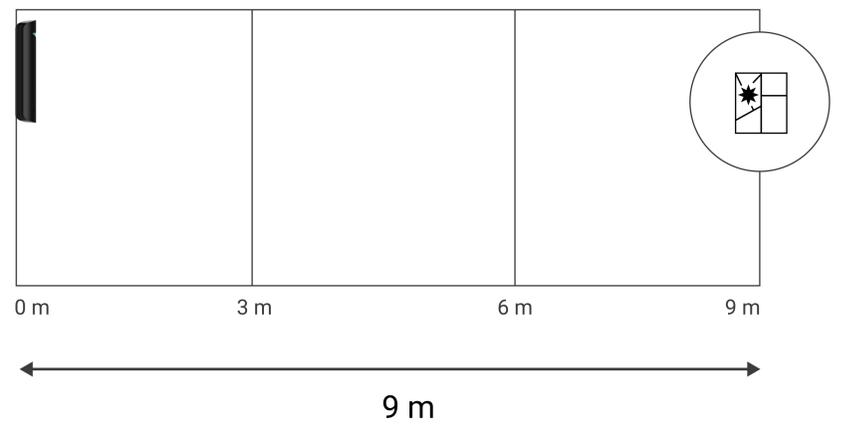
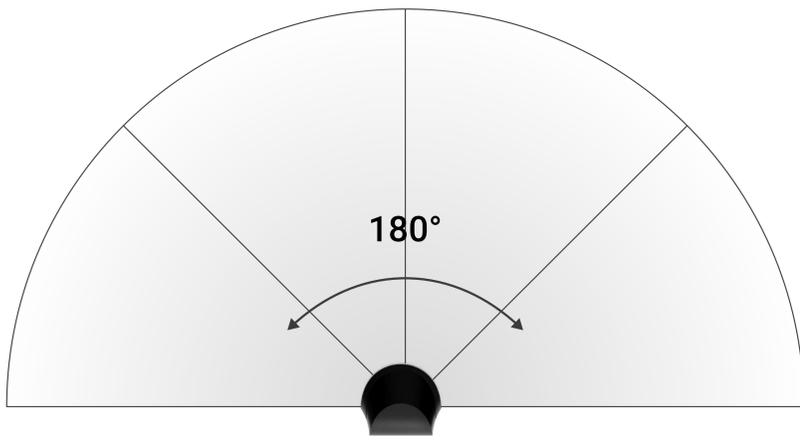
Pairing via QR code

Jeweller communication technology

Jeweller is a **two-way wireless 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 1,000 m** of wireless connectivity, Jeweller is ready to protect facilities and deliver **the best user experience** for both end users and installers.

Glass break sensor coverage angle



Technical specifications

<p>Communication with control panel and range extenders</p> <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 1,000 m In an open space</p> <p>Polling interval 12–300 sec Adjusted by PRO or user with admin rights in the Ajax app</p>	<p>Detection</p> <p>Sensing element electret microphone</p> <p>Glass break detection distance up to 9 m</p> <p>Glass break detection angles horizontal – 180° vertical – N/A</p> <p>Sensitivity 3 levels Adjusted by PRO or user with admin rights in the Ajax app</p> <p>False alarm protection Two-factor glass break verification software algorithm: by low and high frequencies</p>
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Communication with control panel and range extenders	Protection against forgery Device authentication	Detection	Third-party detector connection wired detector with the normally closed (NC) contact type
Compliance with standards	EN 50131 (Grade 2) PD 6662:2017	Compatibility	Hubs All Ajax hubs Range extenders all Ajax radio signal range extenders
Power supply	1 x CR123A, 3 V Pre-installed up to 7 years of battery life	Installation	Operating temperature range from -10°C to +40°C Operating humidity up to 75% Ingress protection IP50
Enclosure	Colours white, black Dimensions Ø 20 × 90 mm Weight 30 g Tampering alarm	Complete set	GlassProtect Jeweller 1 × CR123A (pre-installed) SmartBracket Installation kit External contact for NC detector Quick Start Guide