

GlassProtect Jeweller

Wireless indoor glass break detector.

An Ajax hub is required for operation.



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

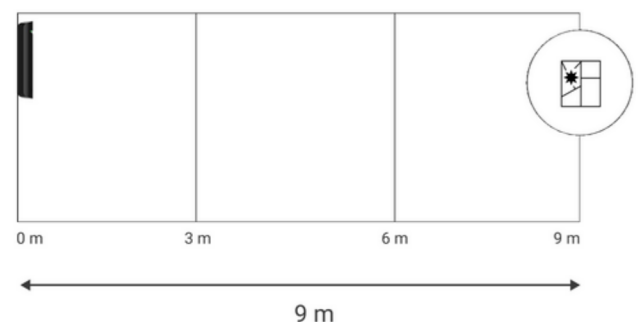
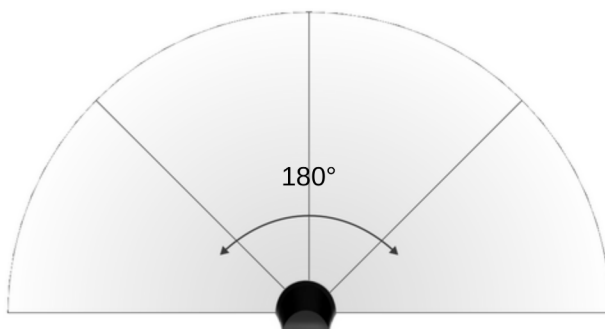


Configuring in the Ajax mobile and desktop apps



Pairing with the security system via QR code

Glass break sensor coverage angle





Jeweller

communication technology



Jeweller is a **two-way wireless protocol** that provides fast and reliable communication between hub and connected 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.

Technical specifications

Compliance with standards	EN 50131 (Grade 2) PD 6662:2017	Compatibility	Hubs all Ajax hubs Range extenders all Ajax radio signal range extenders
Communication with control panel and range extenders	 Jeweller communication technology 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 Maximum effective radiated power (ERP) ≤ 20 mW	Detection	Sensing element electret microphone Glass break detection distance up to 9 m Glass break detection angles horizontal – 180° vertical – N/A Sensitivity 3 levels Adjusted by PRO or user with admin rights in the Ajax app

Communication with control panel and range extenders	Communication range up to 1,000 m In an open space Polling interval 12–300 sec Adjusted by PRO or user with admin rights in the Ajax app Protection against forgery Device authentication	Detection	False alarm protection DualTone Two-factor glass break verification software algorithm: by low and high frequencies Third-party detector connection wired detector with the normally closed (NC) contact type
Power supply	Battery type 1 × CR123A Pre-installed Battery life up to 7 years	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	Complete set	GlassProtect Jeweller 1 × CR123A Pre-installed SmartBracket Installation kit External contact for NC detector Quick Start Guide