

# 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/>



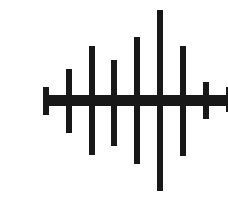
2  
GRADE  
EN 50131

PD 6662  
2017

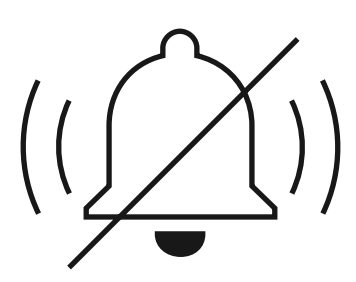
## Key features



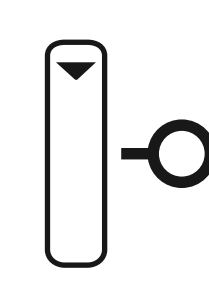
Up to 9 m glass break detection distance with 180° horizontal detection angle



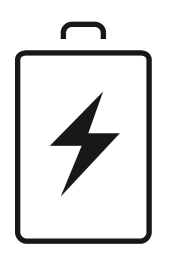
Two-factor glass break verification algorithm: by low and high frequencies



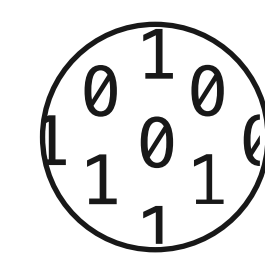
Filter for false alarms caused by dogs barking or the sound of passing trucks



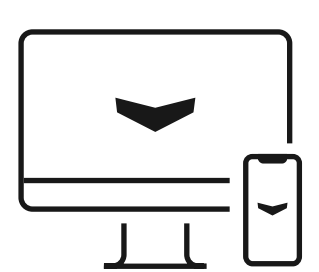
Additional NC input for connecting a third-party detector



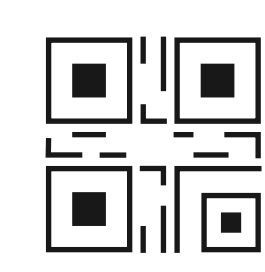
Up to 7 years of operation on pre-installed battery



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

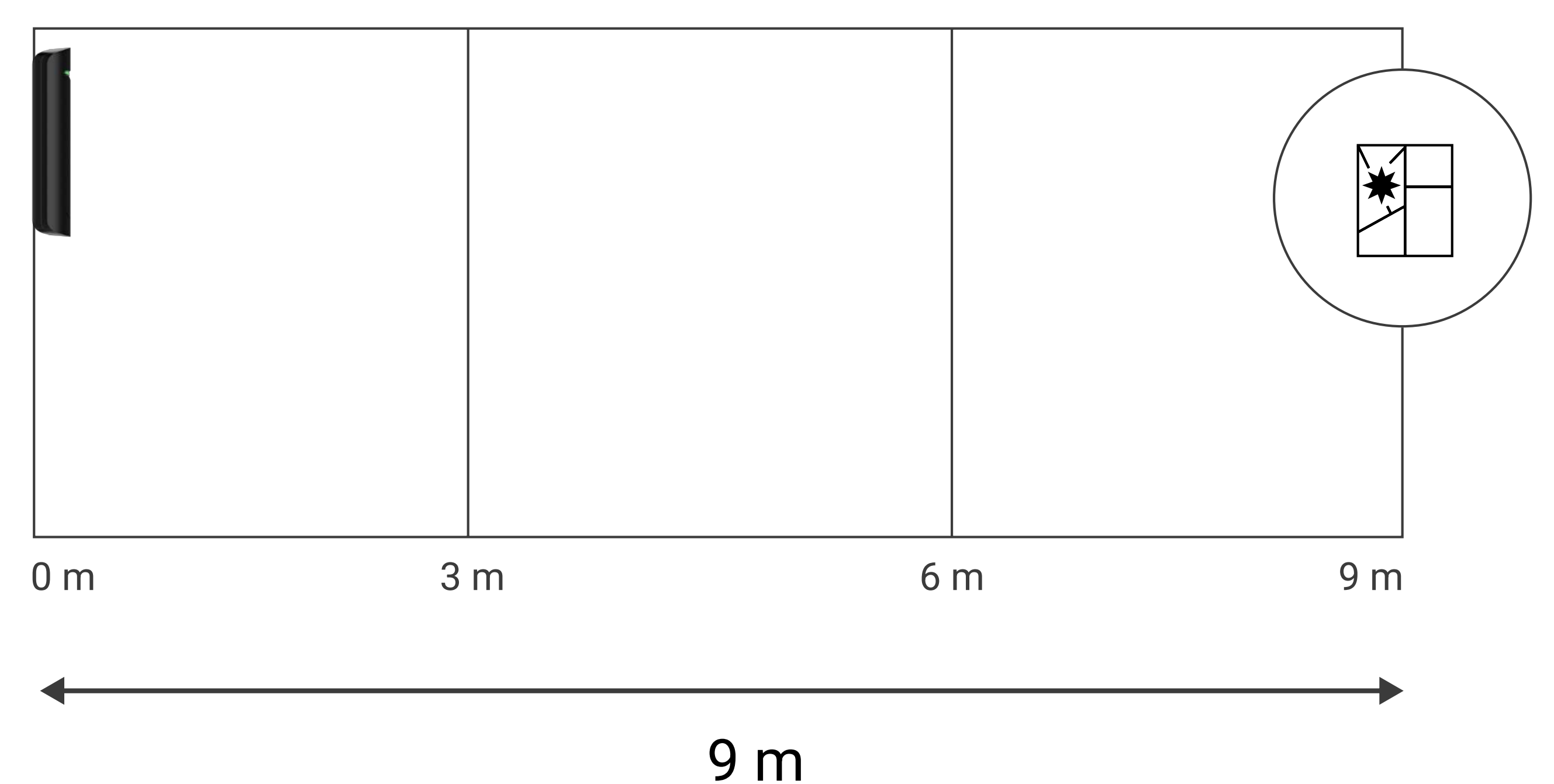
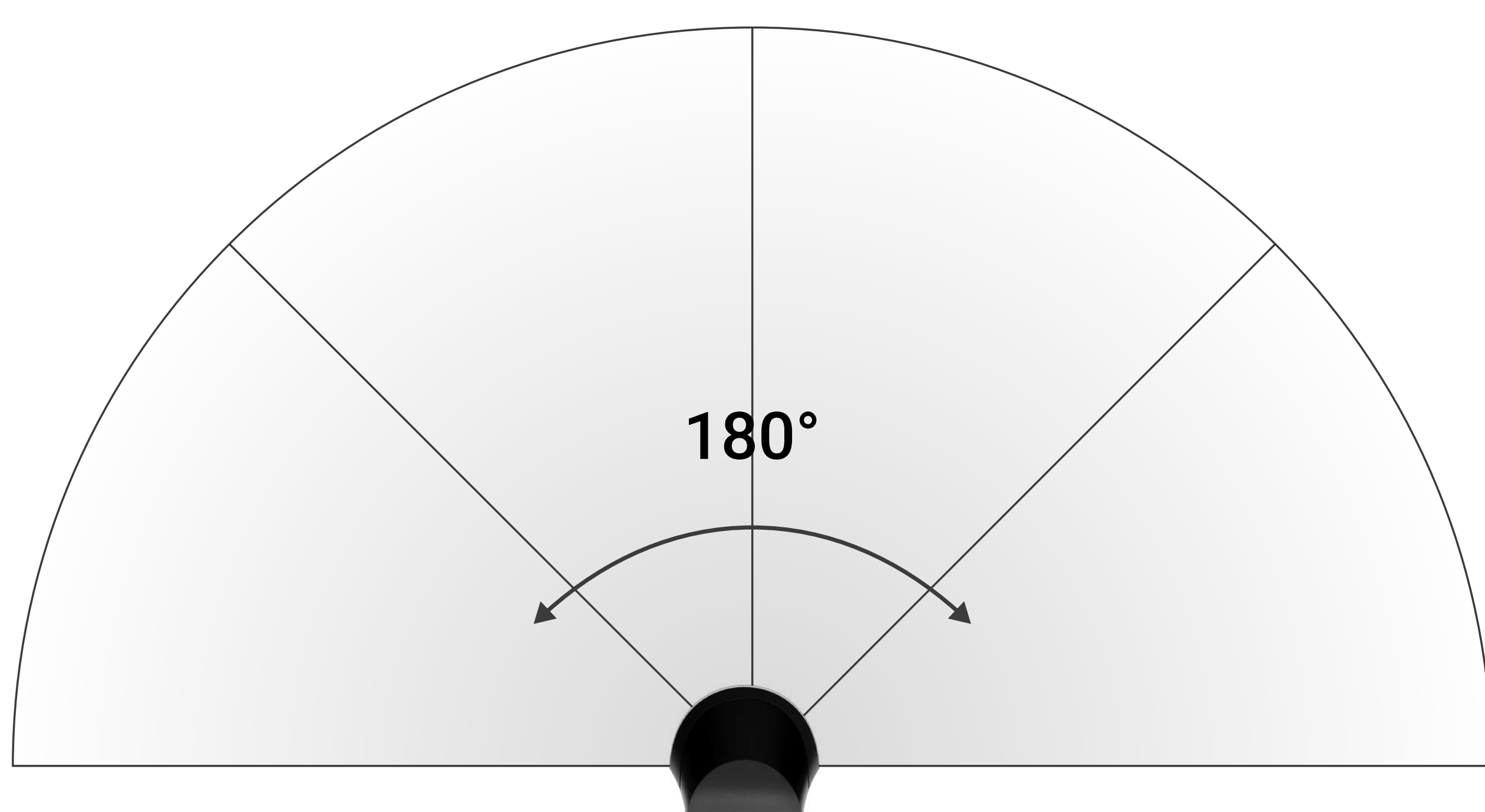


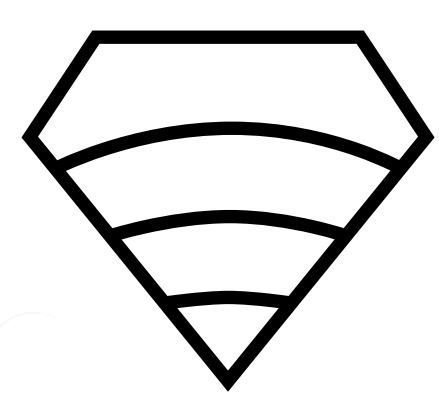
Configuring in the Ajax mobile and desktop apps



Pairing with the security system via QR code

## Glass break sensor coverage angle





# Jeweller

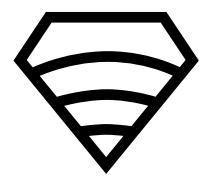
## communication technology



**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

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



<p>Communication with control panel and range extenders</p>	<p><b>Communication range</b> up to 1,000 m In an open space</p> <p><b>Polling interval</b> 12–300 sec Adjusted by PRO or user with admin rights in the Ajax app</p> <p><b>Protection against forgery</b> Device authentication</p>	<p>Detection</p>	<p><b>False alarm protection</b> DualTone Two-factor glass break verification software algorithm: by low and high frequencies</p> <p><b>Third-party detector connection</b> wired detector with the normally closed (NC) contact type</p>
<p>Power supply</p>	<p><b>Battery type</b> 1 × CR123A Pre-installed</p> <p><b>Battery life</b> up to 7 years</p>	<p>Installation</p>	<p><b>Operating temperature range</b> from –10°C to +40°C</p> <p><b>Operating humidity</b> up to 75%</p> <p><b>Ingress protection</b> IP50</p>
<p>Enclosure</p>	<p><b>Colours</b> white, black</p> <p><b>Dimensions</b> Ø 20 × 90 mm</p> <p><b>Weight</b> 30 g</p>	<p>Complete set</p>	<p>GlassProtect Jeweller 1 × CR123A Pre-installed SmartBracket Installation kit External contact for NC detector Quick Start Guide</p>