

# 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/>



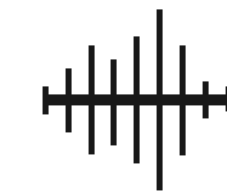
2  
GRADE  
EN 50131

PD 6662  
2017

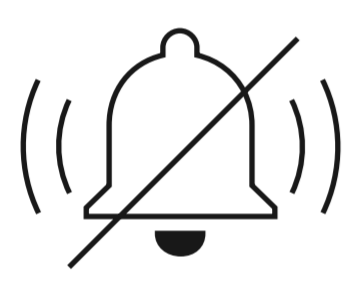
## Key features



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



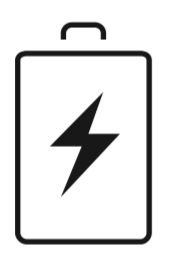
Two-factor glass break verification algorithm: by low and high frequencies



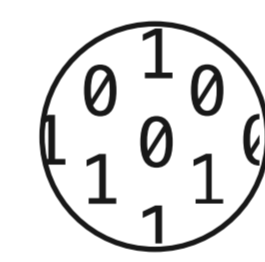
Filter for false alarms caused by dogs barking or the sound of passing trucks



Additional NC input for connecting a third-party detector



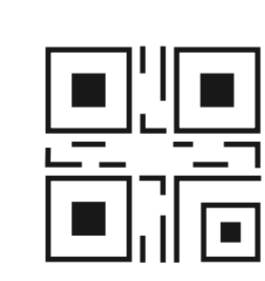
Up to 7 years of operation on pre-installed battery



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

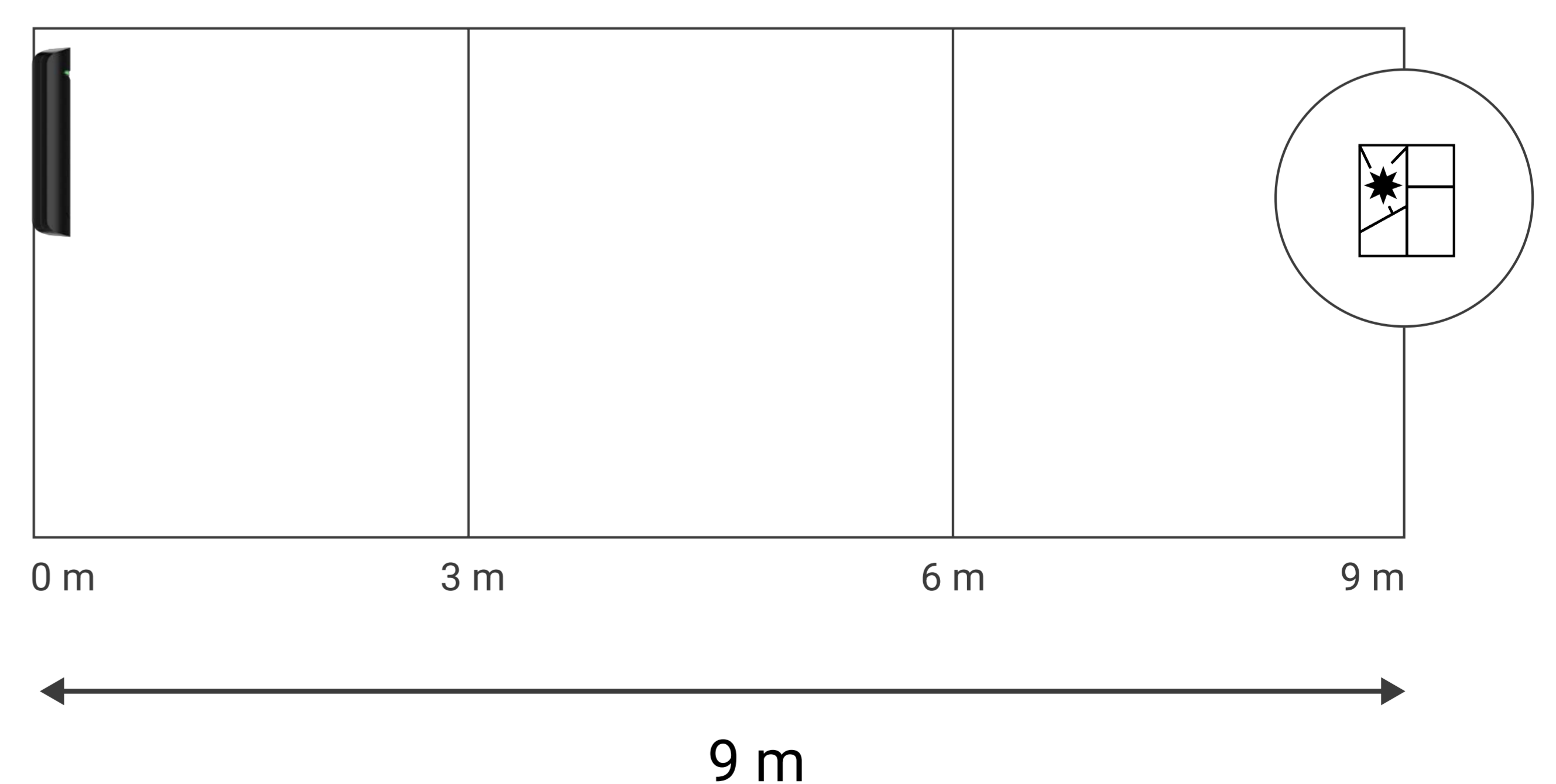
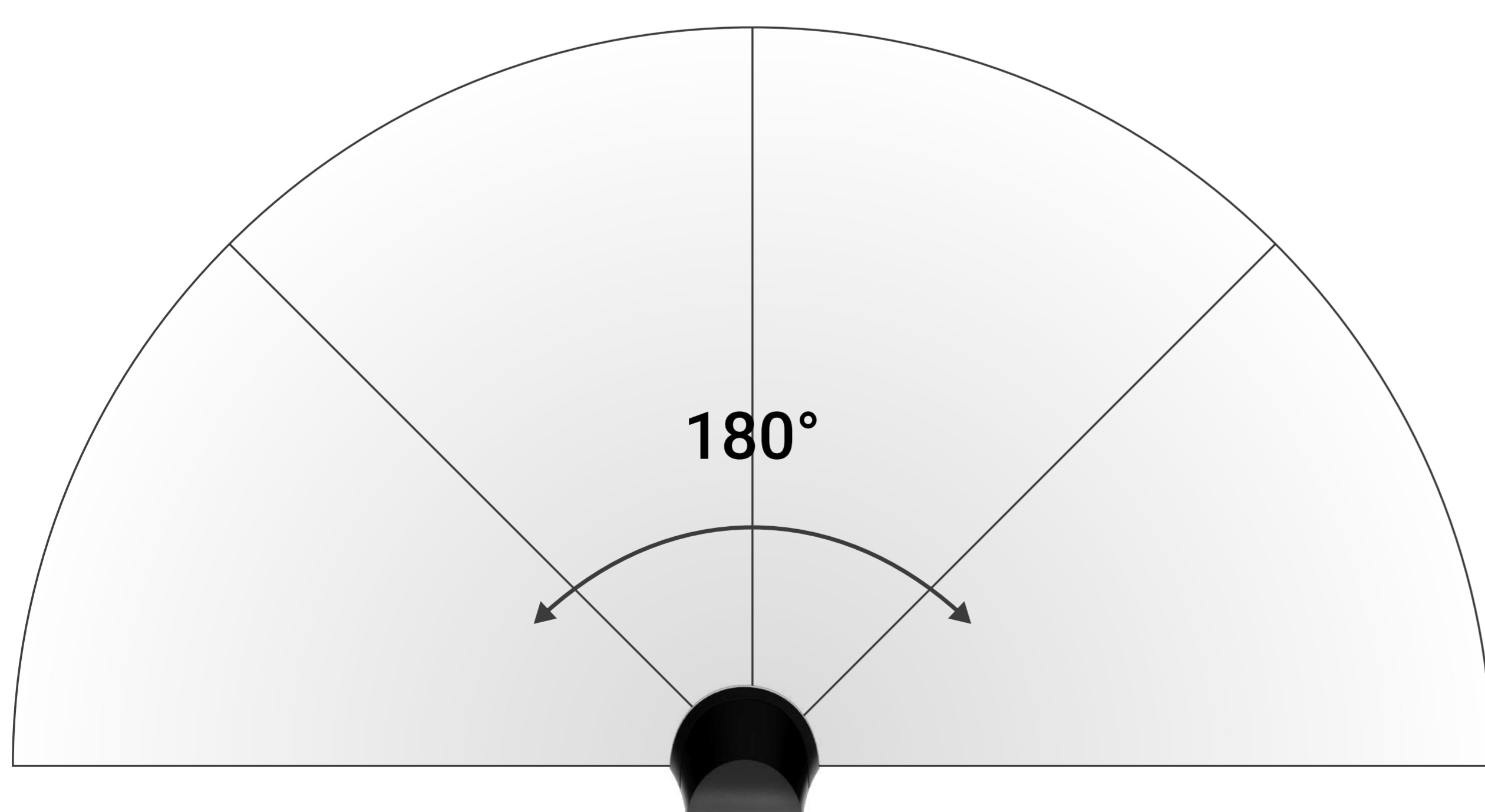


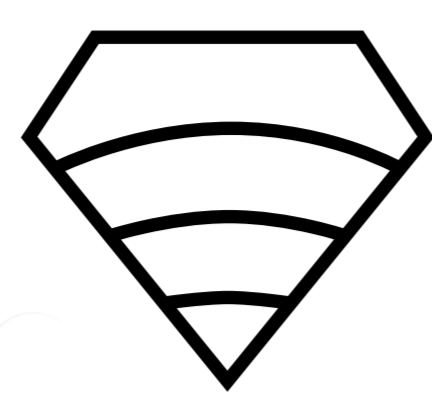
Configuring in the Ajax mobile and desktop apps



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><br/><b>PD 6662:2017</b></p>                                                                                                                                                                                                                                                                                                                                                                              | <p>Compatibility</p> <p><b>Hubs</b><br/>all Ajax hubs</p> <p><b>Range extenders</b><br/>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><br/>866.0 – 866.5 MHz<br/>868.0 – 868.6 MHz<br/>868.7 – 869.2 MHz<br/>905.0 – 926.5 MHz<br/>915.85 – 926.5 MHz<br/>921.0 – 922.0 MHz<br/>Depends on the region of sales</p> <p><b>Maximum effective radiated power (ERP)</b><br/>≤ 20 mW</p> | <p>Detection</p> <p><b>Sensing element</b><br/>electret microphone</p> <p><b>Glass break detection distance</b><br/>up to 9 m</p> <p><b>Glass break detection angles</b><br/>horizontal – 180°<br/>vertical – N/A</p> <p><b>Sensitivity</b><br/>3 levels<br/>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><br/>up to 1,000 m<br/>In an open space</p> <p><b>Polling interval</b><br/>12–300 sec<br/>Adjusted by PRO or user with admin rights in the Ajax app</p> <p><b>Protection against forgery</b><br/>Device authentication</p> | <p>Detection</p>    | <p><b>False alarm protection</b><br/>DualTone<br/>Two-factor glass break verification software algorithm: by low and high frequencies</p> <p><b>Third-party detector connection</b><br/>wired detector with the normally closed (NC) contact type</p> |
| <p>Power supply</p>                                         | <p><b>Battery type</b><br/>1 × CR123A<br/>Pre-installed</p> <p><b>Battery life</b><br/>up to 7 years</p>                                                                                                                                                | <p>Installation</p> | <p><b>Operating temperature range</b><br/>from –10°C to +40°C</p> <p><b>Operating humidity</b><br/>up to 75%</p> <p><b>Ingress protection</b><br/>IP50</p>                                                                                            |
| <p>Enclosure</p>                                            | <p><b>Colours</b><br/>white, black</p> <p><b>Dimensions</b><br/>Ø 20 × 90 mm</p> <p><b>Weight</b><br/>30 g</p>                                                                                                                                          | <p>Complete set</p> | <p>GlassProtect Jeweller<br/>1 × CR123A<br/>Pre-installed<br/>SmartBracket<br/>Installation kit<br/>External contact for NC detector<br/>Quick Start Guide</p>                                                                                        |