

# DoorProtect Jeweller

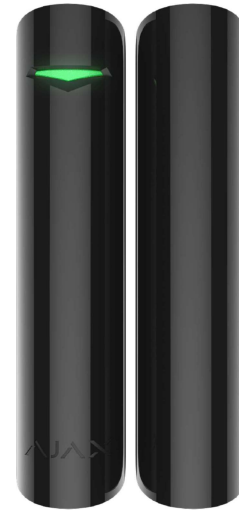
Wireless indoor opening detector



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



<https://ajax.systems/support/devices/doorprotect/>



## Key features



More installation options with two  
magnets of different size



The reed switch with a resource  
of 2,000,000 openings



Protected against reed switch  
chattering



Additional NC input for connecting a  
third-party detector



Up to 7 years of operation on pre-  
installed battery



Up to 1,200 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 1,200 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	<b>Hubs</b> all Ajax hubs  <b>Range extenders</b> all Ajax radio signal range extenders
Communication with control panel and range extenders	 <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 1,200 m In an open space  <b>Polling interval</b> 12–300 sec Adjusted by PRO or user with admin rights in the Ajax app  <b>Protection against forgery</b> Device authentication	Detection	<b>Sensing element</b> 1 × reed switch  <b>Opening sensors resource</b> 2,000,000 openings  <b>Third-party detector connection</b> wired detector with the normally closed (NC) contact type

Power supply	<b>1 × CR123A, 3 V</b> Pre-installed  up to 7 years of battery life	Installation	<b>Operating temperature range</b> from –10°C to +40°C  <b>Operating humidity</b> up to 75%  <b>Ingress protection</b> IP50
Enclosure	<b>Colours</b> white, black  <b>Dimensions</b> Ø 20 × 90 mm  <b>Weight</b> 29 g  <b>Tampering alarm</b>	Complete set	DoorProtect Jeweller 2 magnets (small and large) 1 × CR123A (pre-installed) SmartBracket Installation kit External contact for NC detector Quick Start Guide