

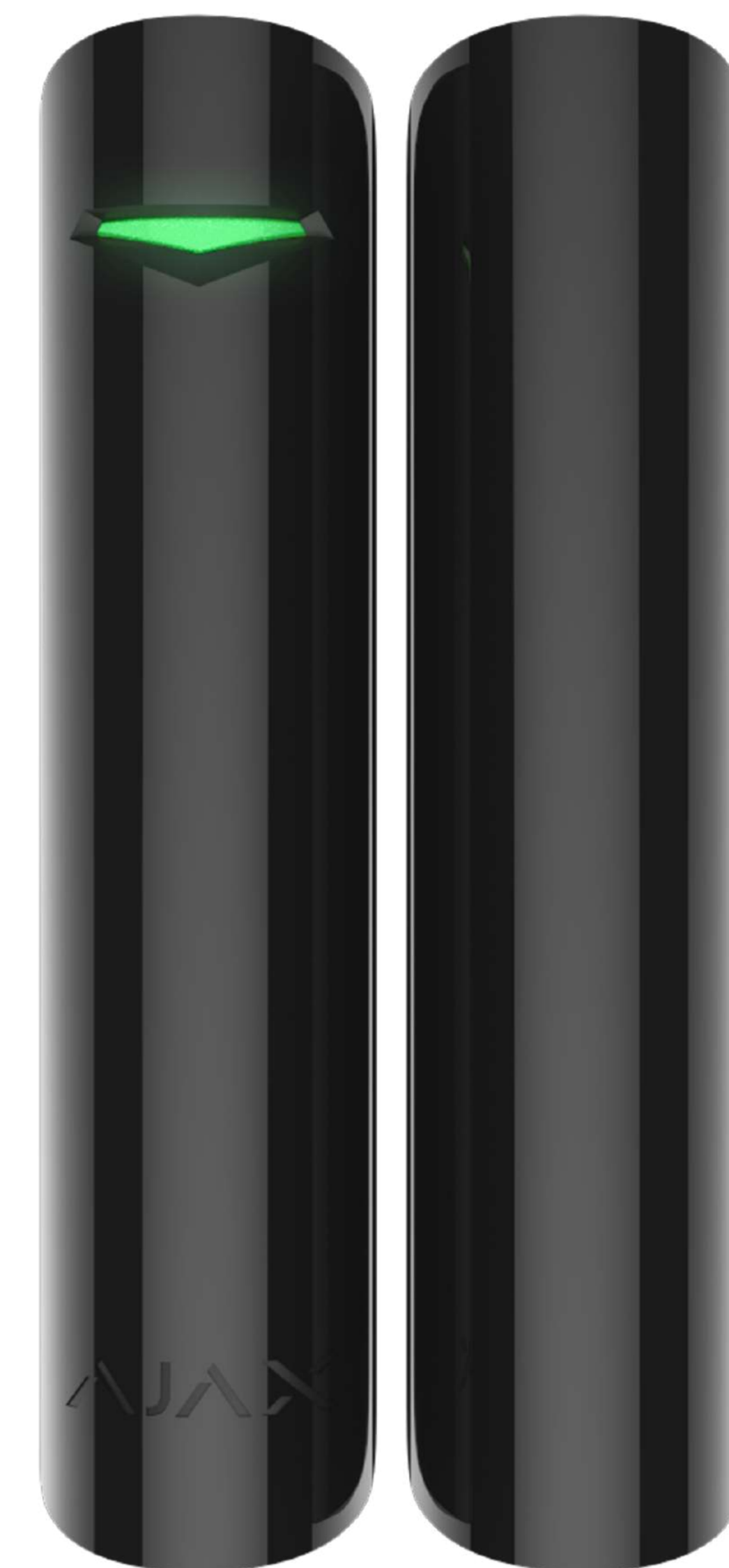
DoorProtect Plus Jeweller

Wireless indoor opening detector
with shock and tilt sensors



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

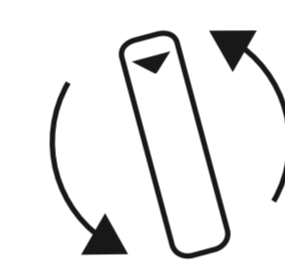
 <https://ajax.systems/support/devices/doorprotect-plus/>



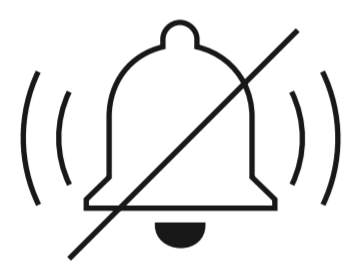
Key features



Built-in accelerometer for shock and tilt
detection



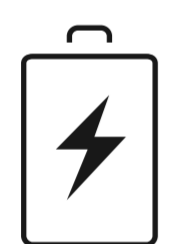
Adjustable tilt angle for alarm triggering



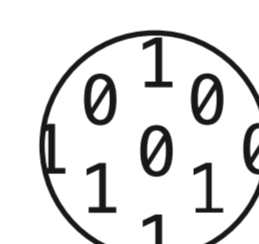
Ignores chattering and single shocks to
avoid false alarms



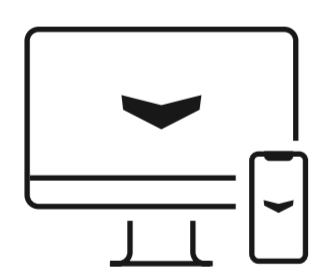
Additional NC input for connecting a
third-party detector



Up to 5 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

<p>Compliance with standards</p>	<p>EN 50131 (Grade 2) PD 6662:2017</p>	<p>Compatibility</p> <p>Hubs all Ajax hubs</p> <p>Range extenders all Ajax radio signal range extenders</p>
<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 1,200 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>Protection against forgery Device authentication</p>	<p>Detection</p> <p>Sensing element 1 × reed switch 1 × accelerometer</p> <p>Opening sensors resource 2,000,000 openings</p> <p>Shock sensor sensitivity 3 levels Adjusted by PRO or user with admin rights in the Ajax app</p> <p>Option to ignore single shocks Enabled by PRO or user with admin rights in the Ajax app</p> <p>Tilt sensor activation threshold from 5° to 25° Adjusted by PRO or user with admin rights in the Ajax app</p> <p>Third-party detector connection wired detector with the normally closed (NC) contact type</p>	

<p>Power supply</p> <p>1 × CR123A, 3 V Pre-installed</p> <p>up to 5 years of battery life</p>	<p>Installation</p> <p>Operating temperature range from -10°C to +40°C</p> <p>Operating humidity up to 75%</p> <p>Ingress protection IP50</p>
<p>Enclosure</p> <p>Colours white, black</p> <p>Dimensions Ø 20 × 90 mm</p> <p>Weight 29 g</p> <p>Tampering alarm</p>	<p>Complete set</p> <p>DoorProtect Plus Jeweller 2 magnets (small and large) 1 × CR123A (pre-installed) SmartBracket Installation kit External contact for NC detector Quick Start Guide</p>