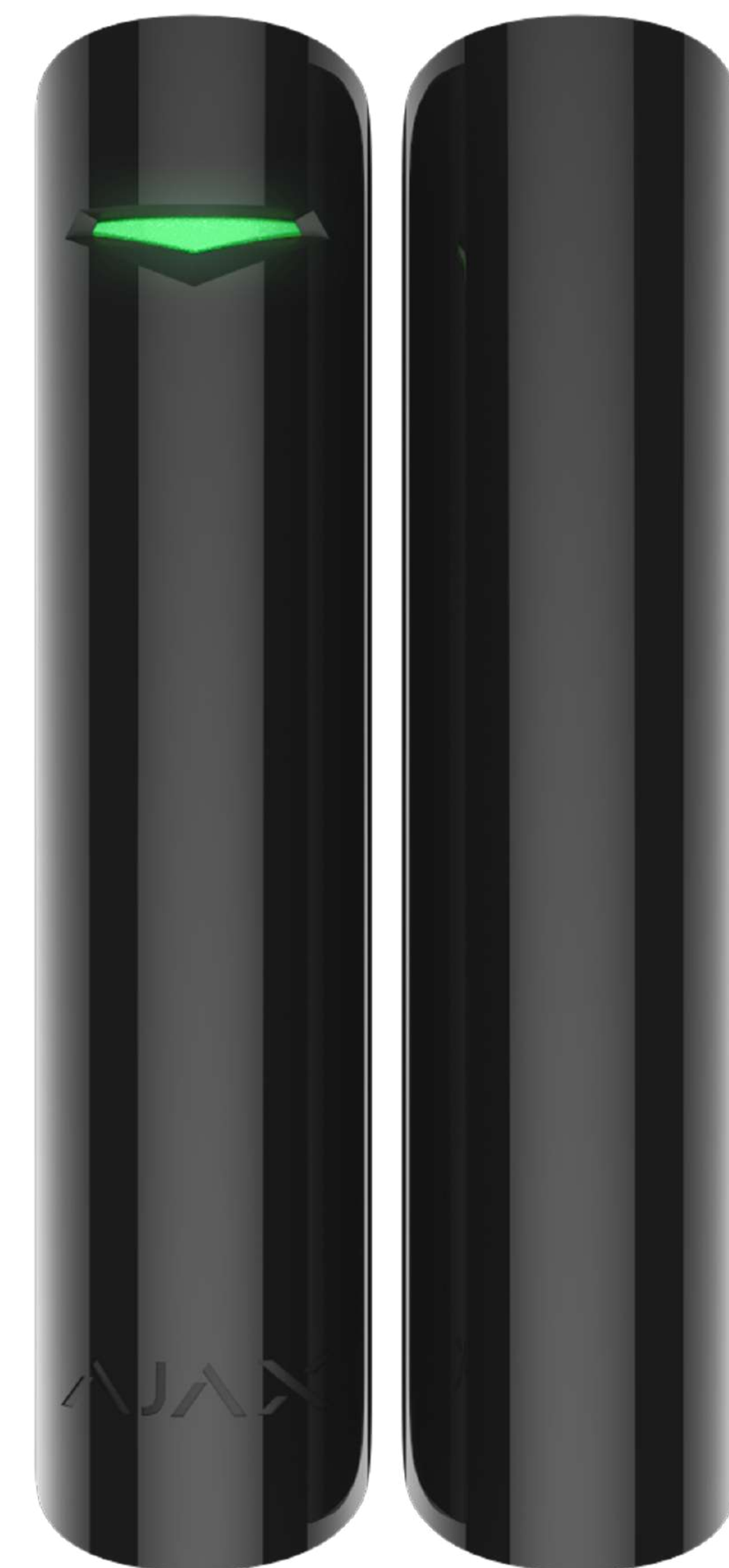


DoorProtect Plus Jeweller

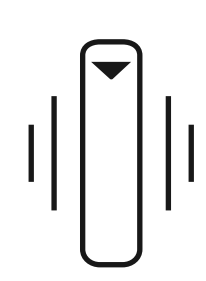
Wireless indoor opening detector with shock and tilt sensors



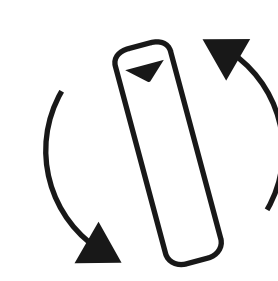
2
GRADE
EN 50131

PD 6662
2017

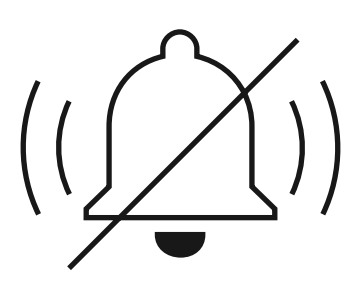
Key features



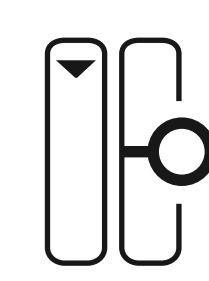
Built-in accelerometer for shock and tilt detection



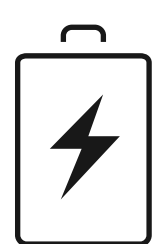
Adjustable tilt angle for alarm triggering



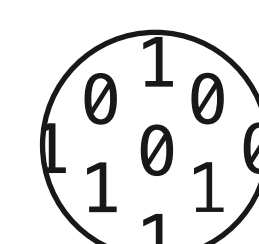
Ignores chattering and single shocks to avoid false alarms



Additional NC input for connecting a third-party detector



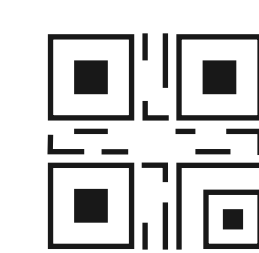
Up to 5 years of operation on pre-installed battery



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

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 Communication range up to 1,200 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	Sensing element 1 × reed switch 1 × accelerometer Opening sensors resource 2,000,000 openings Shock sensor sensitivity 3 levels Adjusted by PRO or user with admin rights in the Ajax app Option to ignore single shocks Enabled by PRO or user with admin rights in the Ajax app Tilt sensor activation threshold from 5° to 25° Adjusted by PRO or user with admin rights in the Ajax app Third-party detector connection wired detector with the normally closed (NC) contact type

Power supply	1 × CR123A, 3 V Pre-installed up to 5 years of battery life	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 29 g Tampering alarm	Complete set	DoorProtect Plus Jeweller 2 magnets (small and large) 1 × CR123A (pre-installed) SmartBracket Installation kit External contact for NC detector Quick Start Guide