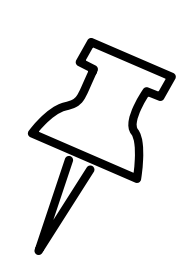


# DoorProtect Plus Jeweller

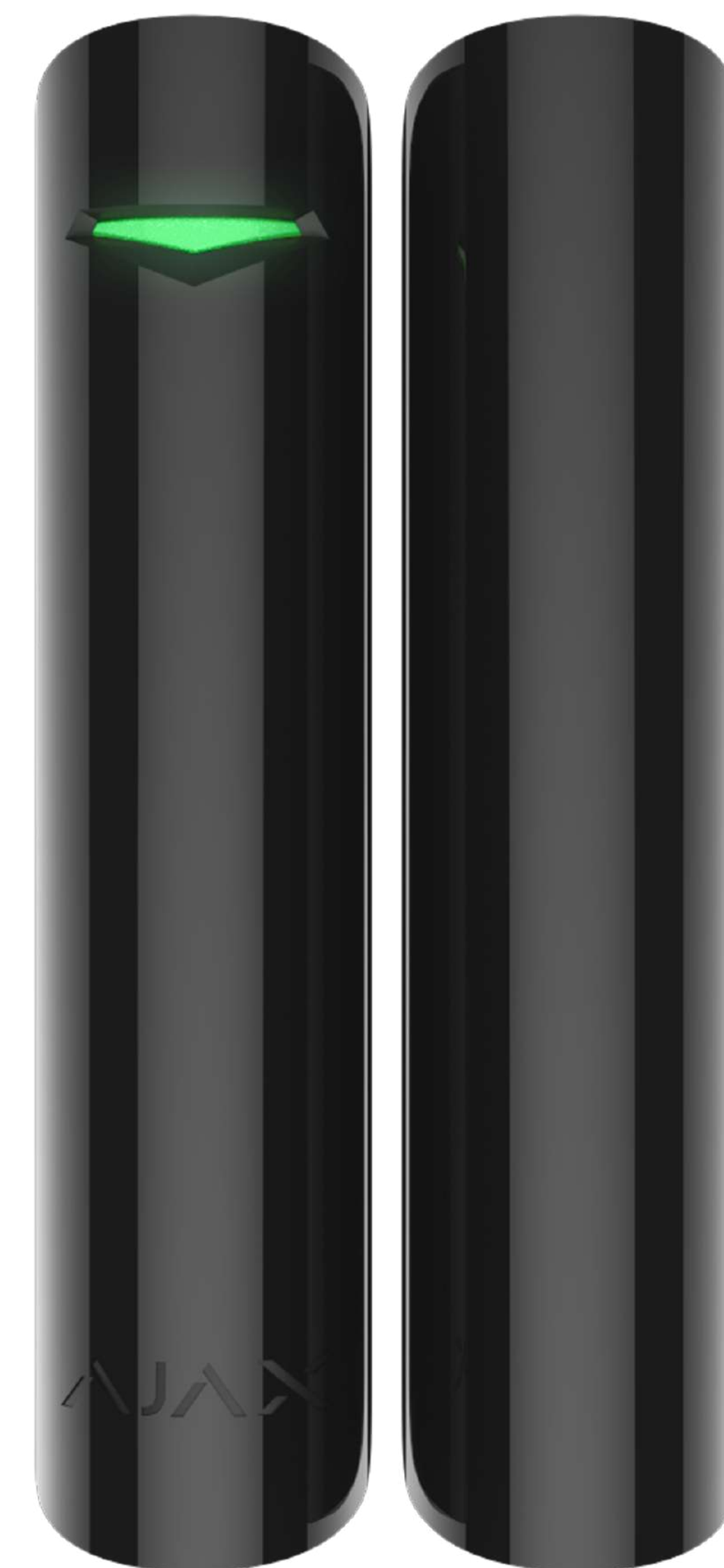
Wireless indoor opening detector  
with shock and tilt sensors



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



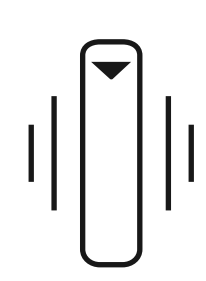
<https://ajax.systems/support/devices/doorprotect-plus/>



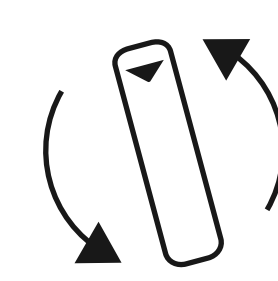
2  
GRADE  
EN 50131

PD 6662  
2017

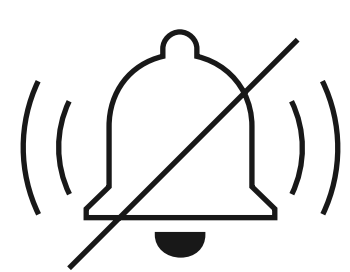
## Key features



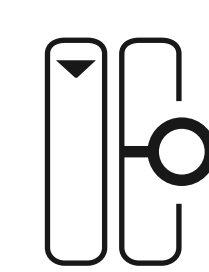
Built-in accelerometer for shock and tilt  
detection



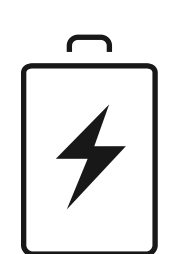
Adjustable tilt angle for alarm triggering



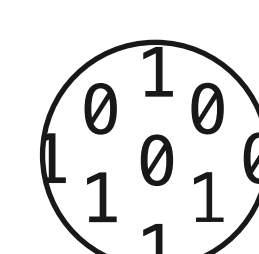
Ignores chattering and single shocks to  
avoid false alarms



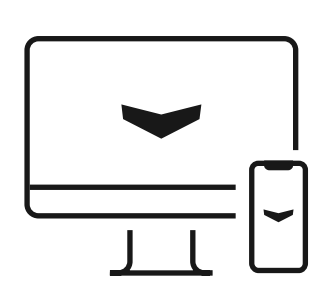
Additional NC input for connecting a  
third-party detector



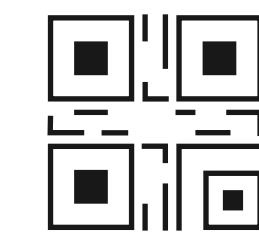
Up to 5 years of operation on pre-  
installed battery



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

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