AJAX

DoorProtect Jeweller

Wireless indoor opening detector

An Ajax hub is required for operation.

2 GRADE EN 50131

PD 6662 2017

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	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 Opening sensors resource 2,000,000 openings Third-party detector connection wired detector with the normally closed (NC) contact type

Power supply	1 × CR123A, 3 V Pre-installed up to 7 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 Jeweller 2 magnets (small and large) 1 × CR123A (pre-installed) Smar tBracket Installation kit External contact for NC detector Quick Start Guide