

Products ▾

Assemble kit

 DoorProtect Jeweller

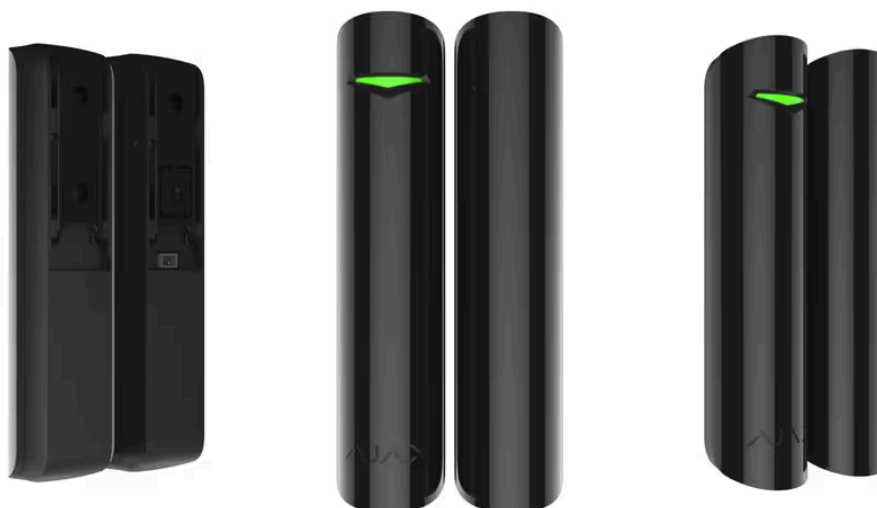
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Tech specs

BASELINE

DoorProtect Jeweller

Wireless opening detector with reed switch



Device compatibility

Check

Communication

Jeweller communication technology

Proprietary wireless communication technology to transmit commands, alarms, and events.

Key features:

- Two-way communication.
- Advanced sabotage protection.
- Block encryption featuring a dynamic key.
- Instant notifications.
- Remote configuration in the Ajax apps.

[Learn more](#) >

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 sales region.

Maximum effective radiated power (ERP)

up to 20 mW

Automatic power control to reduce power consumption and noise interference.

Radio signal modulation

GFSK

Radio signal range

up to 1,200 m

Between detector and control panel (or range extender) in an open space.

Calculate the radio signal range at the facility >

Encrypted communication

All the data stored and transmitted are protected by block encryption with a dynamic key.

Frequency hopping

Radio communication uses frequency hopping to prevent interception and jamming.

Learn more >

Detection

Sensitive element

1 reed switch

Magnets

small and big one come in the set

The small magnet operates at a distance of up to 1 cm from the detector, and the big magnet – up to 2 cm. Attach the magnet on the right side of the detector.

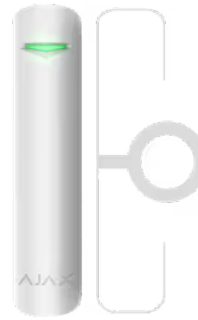


Protection against reed switch chattering

The detector ignores vibrations lasting up to 0.15 s.

Input to connect an additional detector

Wired detector with the normally closed (NC) contact type.



How to connect a third-party wired detector >

Chime

When the system is disarmed, the siren makes a special sound to notify that the opening detectors are triggered.

Learn more >

Recommendations

Do not install the detector using both magnets at the same time. The detector recognizes only one magnet on one side of the detector.

Attach the magnet to the moving part of the door (window) to the right of the detector. The side to which the magnet should be attached is marked with an arrow on the detector's enclosure.

The device is designed for indoor use only.

Sabotage protection

Tamper alarm

Notifications on attempts to detach the detector from the surface or remove it from the mounting panel.

[Learn more >](#)

Protection against spoofing

device authentication

Communication loss detection

after 36 s

Depends on the Jeweller or Jeweller/Fibra settings.

[Learn more >](#)

Power supply

Battery

1 × CR123A

Pre-installed.

Type

type C

Calculated battery life

up to 7 years

Device's nominal operating voltage

3 V_{DC}

Quiescent device's current consumption at nominal voltage

17.5 μ A

Maximum device's current consumption at nominal voltage

21.4 mA

Full battery capacity

1,600 mAh

Low battery voltage

2.5 V_{DC}

Low battery recovery voltage

2.7 V_{DC}

End-of-life battery voltage

2.1 V_{DC}

Device is switched off.

End-of-life battery capacity

300 mAh

Manufacturer

Huiderui

Enclosure

Detector dimensions

90 × 20 × 20 mm

Dimensions of the big magnet

90 × 20 × 20 mm

Dimensions of the small magnet

55 × 11 × 6 mm

Detector weight

29 g

Operating temperature range

from -10 °C to +40 °C

Operating humidity

up to 75%

Protection class



IP50

Colors

Black



White



Complete set

DoorProtect Jeweller

SmartBracket mounting panel

CR123A battery (pre-installed)

Big magnet

Small magnet

Outside-mounted terminal clamp

Installation kit

Quick start guide

Certification and compliance with standards



DoorProtect Jeweller



Additional information

Compliance with standards

[Learn more >](#)

User manual

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Warranty

24 months

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Rating 4.8

4,500,000

people worldwide under Ajax protection

💡 Suggest a feature

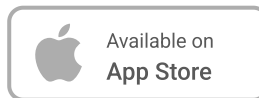


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- Video surveillance
- Fire and life safety
- Comfort and automation
- All products
- Services
- System integrations
- Ajax Ready products
- Fibra wired protocol
- Ajax radio protocols

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- Ajax Security System
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