Products ⌄   **Assemble kit**

Tech specs

BASELINE
DoorProtect Plus Jeweller

Wireless combined opening, shock and tilt detector with reed switch and accelerometer

Device compatibility   (Check)

Communication

B DoorProtect Plus Jeweller   More ∨

Proprietary wireless technology to transmit alarms and events.

Features:

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

Learn more ›

Radio frequency bands

866.0–866.5 MHz
868.0–868.6 MHz
868.7–869.2 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

Radio signal modulation

GFSK

Radio communication range

up to 1,200 m

Between the detector and a hub (or radio signal range extender) in an open space.

Calculate radio communication range at the facility ›

Encrypted communication

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

Frequency hopping

To prevent radio interference and radio signal interception.

Learn more ›

Detection

Sensitive elements
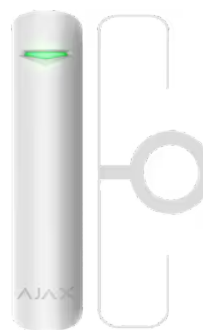
1 × accelerometer
1 × reed switch

The magnet should be installed to the right of the detector.

Additional detector connection

Third-party wired detector with the NC (normally closed) contact type.

How to connect ›

Shock sensitivity

3 levels

Adjusted by a PRO or user with admin rights in the Ajax app.

Option to ignore single shock

Adjusted by a PRO or user with admin rights in the Ajax app.

Tilt sensor activation threshold

from 5° to 25°

Adjusted by a PRO or user with admin rights in the Ajax app.

Recommendations

The magnet is mounted to the right of the detector. It can be placed horizontally.
Do not install the detector with the LED indicator facing down, as this may cause it to fall and fail due to damage.
Device is designed for indoor use only.

Anti-sabotage protection

Tamper alarm

Notifications of attempts to tear off the detector from the surface or remove it from the mounting panel.

Learn more ›

Protection against spoofing

device authentication

Power supply

Battery

1 × CR123A

Pre-installed.

Type

type C

Calculated battery life

up to 5 years

Device's nominal operating voltage

3 V⎓

Quiescent device's current consumption at nominal voltage

11.8 μA

Maximum device's current consumption at nominal voltage

24 mA

Full battery capacity

1,600 mAh

Low battery voltage

2.5 V⎓

Low battery recovery voltage

2.7 V⎓

End-of-life battery voltage

2.1 V⎓

Device is switched off.

End-of-life battery capacity

300 mAh

Manufacturer

Huiderui

Enclosure

Dimensions

Ø 20 × 90 mm

Weight

29 g

Operating temperature range

from −10 °C to +40 °C

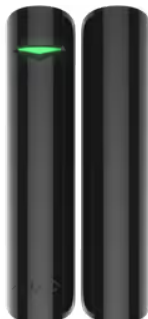## Operating humidity

up to 75%

Protection class

IP50

Colours

Black

White

Complete set

DoorProtect Plus Jeweller

SmartBracket mounting panel

CR123A battery (pre-installed)

Big magnet

Small magnet

Terminal to connect a third-party detector

Installation kit

Quick start guide

Certification and compliance with standards

DoorProtect Plus Jeweller

Additional information

Compliance with standards   **User manual**

Learn more ›   Learn more ›

Warranty

24 months

Learn more ›

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◢ @AjaxSystemsSupport_Bot

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Ajax radio protocols

For users

Ajax PRO: Tool for Engineers

Ajax Desktop

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Ajax Translator PRO

Ajax Cloud Signaling

Scenarios

Available on
App Store

Available on
Google Play

Solutions

Customer stories

Solutions by facility type

Commercial fire detection and alarm system

Upgrades and retrofits

How it works
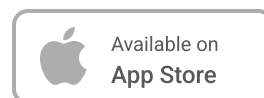
Support

Manuals and articles

Compliance with standards

Tools

Ajax device compatibility

Video storage calculator

Video device calculator

Battery life calculator

Radio communication range calculator

Switches and outlets configurator

Fibra power supply calculator

All web tools

Company

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Students at CES 2026

Reviews and feedback

For partners

For partners

Ajax Academy

Partner Portal

México   Privacy policy   Report a vulnerability   GDPR White Paper   NDAA Statement   Cookie policy   Anti-Spam Policy

End user agreement   Warranty