

Tech specs

BASELINE

GlassProtect Jeweller

Wireless glass break detector with a microphone



Devices compatibility

Check >

Communication

Jeweller communication technology

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

Key features:

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

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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 radio interference.

Radio signal modulation

GFSK

Radio communication range

up to 1,100 m

Between the device and a hub (or a range extender) in an open space.

Calculate radio communication range at the facility >

Encrypted communication

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

Frequency hopping

To prevent radio interference and jamming.

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Detection

Sensitive element

electret microphone

Glass break detection distance

from 0.3 to 9 m

Glass break detection angle

horizontal: 180°

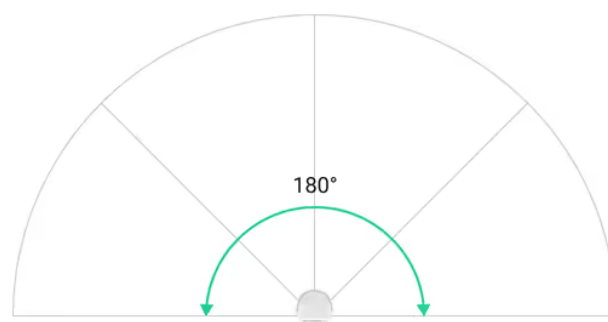
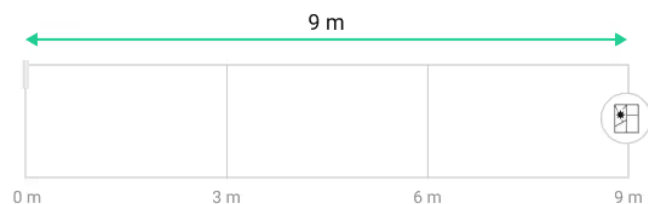
Sensitivity

3 levels

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

False alarm prevention

DualTone



Two-factor software algorithm for glass break verification by low and high sound frequencies.

Input for additional detector connection

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

How to connect a third-party wired detector

Caution

The device will not detect glass breaking if the glass is covered with shockproof, sunscreen, decorative, or any other film.

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.

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Protection against spoofing

device authentication

Communication loss detection

after 36 s

Detection time depends on the Jeweller or Jeweller/Fibra settings.

[Learn more >](#)

Power supply

Battery

1 × CR123A

Pre-installed.

Calculated battery life

up to 7 years

[Learn more >](#)

Detector's operating voltage range

2.1–3.3 V_{DC}

Detector's nominal operating voltage

3 V_{DC}

Quiescent detector's current consumption at nominal voltage

18 μ A

Maximum detector's current consumption at nominal voltage

21 mA

Manufacturer

Huidrui or Duracell

Enclosure

Dimensions

90 × 20 × 20 mm

Weight

30 g

Operating temperature range

from -10 °C to +40 °C

Operating humidity

up to 75%

Protection class

IP50



Colors

Black



White



Complete set

GlassProtect Jeweller

SmartBracket mounting panel

CR123A battery (pre-installed)

Cable for connecting third-party devices

Installation kit

Quick start guide

Additional information

Compliance with standards

[Learn more >](#)

User manual

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Warranty

24 months

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Fibra

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Video surveillance

Fire detection

Water leak prevention

Comfort & Productivity

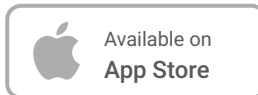
Software

For users

PRO Desktop

Ajax Translator

Scenarios



Solutions

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For partners

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