

GlassProtect Jeweller

Wireless glass break detector with a microphone

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.

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 1,000 m

up to 3,300 ft

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

Encrypted communication

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

Frequency hopping

To prevent radio interference and jamming.

<p>Detection</p>	<p>Sensitive element electret microphone</p> <p>Glass break detection distance from 0.3 to 9 m from 1 to 30 ft</p> <p>Glass break detection angle horizontal: 180°</p> <p>Sensitivity 3 levels Adjusted by a PRO or a user with admin rights in the Ajax app.</p> <p>False alarm prevention DualTone Two-factor software algorithm for glass break verification by low and high sound frequencies.</p> <p>Input for additional detector connection Wired detector with a normally closed (NC) contact type.</p>
<p>Caution</p>	<p>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.</p>
<p>Sabotage protection</p>	<p>Tamper alarm Notifications on attempts to detach the detector from the surface or remove it from the mounting panel.</p> <p>Protection against spoofing device authentication</p> <p>Communication loss detection after 36 s Detection time depends on the Jeweller or Jeweller/Fibra settings.</p>

Power supply	Battery 1 × CR123A Pre-installed. Calculated battery life up to 7 years Detector's operating voltage range 2. 1–3. 3 V= Detector's nominal operating voltage 3 V= Quiescent detector's current consumption at nominal voltage 18 μA Maximum detector's current consumption at nominal voltage 21 mA Manufacturer Huiderui or Duracell
Enclosure	Dimensions 90 × 20 × 20 mm 3.54" × 0.79" × 0.79" Weight 30 g 1.06 oz Operating temperature range from –10 °C to +40 °C from 14 °F to 104 °F 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
Warranty	24 months