

[Tech specs](#)

EN54 LINE

EN54 FireProtect (Sounder) Jeweller

Wireless addressable fire alarm sounder



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 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 1,700 m

Between the device and control and indicating equipment (CIE) or a range extender in an open space.

[Calculate radio communication range at the facility](#) >

Encrypted communication

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

Frequency hopping

To prevent radio interference and jamming.

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Alarm annunciation

Alarm type

acoustic

Sound volume

up to 100 dB at a distance of 1 m

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

Sound pattern

32 tones

Sound synchronization

An audible alarm is automatically synchronized on all devices with a sounder connected to the same CIE.

Alarm annunciation test

An audible alarm check to ensure the fire alarm is clearly audible on the premises.

Installation recommendations

Follow your local fire safety regulations when selecting the device's installation site.

The device is designed for outdoor and indoor use.

Sabotage protection

Tamper button

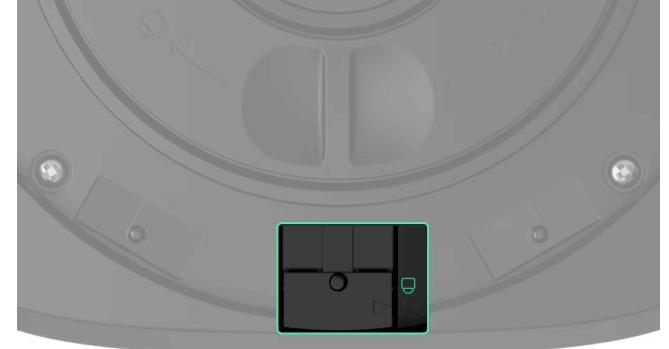
Fault notification when an attempt is made to remove the device from the mounting panel.

[Learn more](#) >

Lock for SmartBracket

to secure the device on the SmartBracket mounting panel

When locked, the lock secures the device and prevents it from being removed without a special tool.



Protection against spoofing

device authentication

Connection loss detection

after 36 s

Detection time depends on Jeweller settings.

Power supply

Battery

4 × CR123A

Pre-installed.

Tool-free battery replacement

To replace the batteries, turn the battery compartment cover counterclockwise.



Reverse polarity protection

Prevents device damage if the batteries are put in incorrectly.

Recommended battery type

Huiderui CR123A; 3 V; 1,600 mAh,
 LiMnO_2

Calculated battery life

up to 5 years

Enclosure

Dimensions

145 × 145 × 51 mm



Weight

527 g

Operating temperature range

from −10 °C to +60 °C



Operating humidity

up to 80%

51 mm

Protection class

IP54

Flammability rating

UL 94 V-0

Color

Black



White



Red



Complete set

EN54 FireProtect (Sounder) Jeweller

4 × CR123A battery (pre-installed)

SmartBracket mounting panel

Installation kit

Revision

1

Certification and compliance with standards



EN54 FireProtect (Sounder) Jeweller



Additional information

Compliance with standards

User manual

[Learn more](#) >

[Learn more](#) >

Warranty

24 months

Products

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

Software

- For users
- Ajax PRO: Tool for Engineers
- Ajax Desktop
- Ajax PRO Desktop
- Ajax Translator PRO
- Ajax Cloud Signaling
- Scenarios

Solutions

- Customer stories
- Solutions by facility type
- Commercial fire detection and alarm system
- Upgrades and retrofits
- Why Ajax
- 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

Company

- Blog
- About us
- Press page
- Events
- Career
- Ajax Next
- Students at CES 2026
- Reviews and feedback

For partners

- For partners
- Ajax Academy
- Partner Portal

Subscribe

Subscribe to our emails about secure life. No spam.

[Subscribe](#)

Request extra help

- ✉ support@ajax.systems
- Messenger @AjaxSystemsSupport_Bot
- 💬 Send a request



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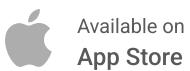
people worldwide under Ajax protection

Rating 4.7

Report mistake

Suggest a feature





Available on
App Store

Fibra power supply calculator

All web tools



Available on
Google Play

Connecting to CMS

Intrusion alarm monitoring

Video monitoring and visual alarm
verification

Audio alarm verification



Hrvatska

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