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.

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 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.

Learn more

Alarm annunciation

Alarm type

acoustic

Sound volume

At a distance of 1 m

Tone 1: 970 Hz — min 71, max 100 dB
Tone 2: 800 Hz / 970 Hz @ 2 Hz — min 76, max 100 dB
Tone 3: 800–970 Hz @ 1 Hz — min 76, max 96 dB
Tone 6: 554 Hz, 0.1 s / 440 Hz, 0.4 s — min 72, max 92 dB
Tone 7: 500–1200 Hz, 3.5 s / 0.5 s OFF — min 75, max 98 dB
Tone 13: 1200–500 Hz @ 1 Hz — min 75, max 98 dB

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

Current consumption in alarm mode

55 mA

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%

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

Quick start guide

Revision

2

Certification and compliance with standards