Tech specs

EN54 LINE

EN54 FireProtect (Smoke) Jeweller

Wireless addressable point smoke detector

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 ❯

Smoke detection

Sensitive element

dual-spectrum optical sensor

Detects smoke based on the size of particles in the air.

False alarm protection

The device does not respond to water vapor.

Patented smoke chamber

Protects the smoke sensor from dust, dirt, and insects.

Additional features

LED indication

- red
- yellow
- green

For indicating detector states: fire alarm, functionality testing, etc.

Installation recommendations

The device is designed for indoor use only.

The SmartBracket mounting panel allows the detector to be rotated up to 90° even after installation.

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

2 × CR123A

Pre-installed.

Tool-free battery replacement

To replace the batteries, open the lids of the battery compartments.

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 6 years

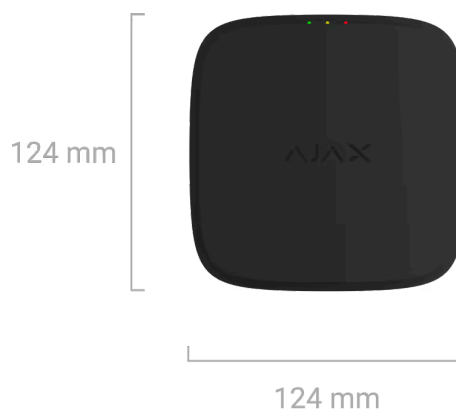# Enclosure

Dimensions

124 × 124 × 48 mm

Weight

281 g

Operating temperature range

from 0 °C to +50 °C

Operating humidity

up to 80%

Protection class

IP20

Flammability rating

UL 94 V-0

Color

Black

White

Complete set

EN54 FireProtect (Smoke) Jeweller

SmartBracket mounting panel

2 × CR123A battery (pre-installed)

Installation kit

Quick start guide

Revision

1

Certification and compliance with standards

EN54 FireProtect (Smoke) Jeweller