Products ⌄   **Assemble kit**

FireProtect 2 RB (Heat/Smoke) UL Jeweller   More ⌄

Tech specs

FireProtect 2 RB (Heat/Smoke) UL Jeweller

Wireless combined heat and smoke detector with replaceable batteries

Device compatibility   Check

Communication

≋ Jeweller communication technology

Proprietary wireless technology for transmission of alarms and events.

Key features:

- Two-way communication.
- Protection against device spoofing.
- Block encryption featuring a dynamic key.
- Instant notifications.
- Remote control and configuration in Ajax apps.

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Frequency band

905.0–926.5 MHz

Certified by UL/ULC standards.

Maximum effective radiated power (ERP)

up to 20 mW

Automatic power control to reduce power consumption and radio interference.

Radio signal modulation

GFSK

Radio signal range

up to 1,700 m

Between the detector and a hub (or radio signal range extender) in an open space.

Calculate radio communication range at the facility

Encryption of radio communication

All the data stored and transmitted are protected by block encryption with a floating key.

Frequency hopping

To prevent radio interference and jamming.

Learn more

Sensitive elements

smoke sensor

heat sensor

Smoke detection

Sensitive element

double-spectrum optical sensor

Detects smoke by the size of particles in the air.

Patented smoke chamber

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

Dangerous temperature detection

Sensitive element

for low temperature detectors

Requirements of UL 521.

High temperature alarm

at temperatures above 58 °C

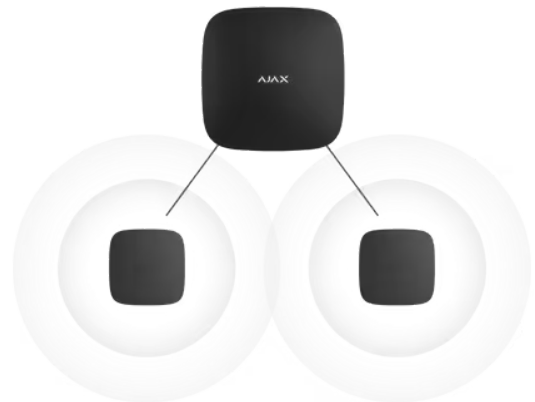## Additional features

Built-in siren

85 dB volume at a distance of 3 meters

Sound notification of alarms. Active until the reason for triggering is eliminated or until the user disables notification.

Interconnected Fire Detectors Alarm

All fire detectors in the system turn on built-in sirens if at least one detector registers an alarm. An interconnected fire alarm is activated within one "hub — detector" polling interval but no more than 20 seconds later.
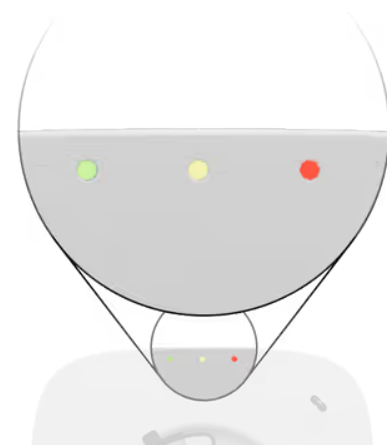
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LED indication

yellow indicates malfunctions

An LED indicator on the device enclosure lights up when malfunctions are detected, such as discharged batteries, contamination of the smoke chamber, or end of the service life.

red indicates fire alarms

An LED indicator on the device enclosure lights up when the detector registers a fire alarm.

Button on the front panel of the detector

In normal mode, pressing the button starts the smoke chamber test. In the case of an alarm or malfunction, pressing the button turns off the detector sound notification.

Recommendations

The device is designed for indoor installation only. SmartBracket mounting panel enables adjusting the position of the detector after installation.

Sabotage protection

Tamper alarm

Alerts of attempts to detach the detector from the surface or remove it from the mounting panel.

Learn more ›

Protection against spoofing

device authentication

Communication loss detection

after 36 s

Detection time depends on the Jeweller or Jeweller/Fibra settings and can't exceed 200 s.

Learn more ›

Power supply

Batteries

2 × CR123A (pre-installed)

3 V⎓, 1,600 mAh

Manufacturer: Ajax Systems

Up to 5 years of battery life.

Enclosure

Dimensions

124 × 124 × 45 mm

Weight

272 g

Operating temperature range

from 0°C to +38°C

Certified by UL/ULC standards.

Operating humidity

up to 80%

Protection class

IP20

124 mm

124 mm

45 mm

Colours

Black

White

Complete set

FireProtect 2 RB (Heat/Smoke) UL Jeweller

SmartBracket mounting panel

Installation kit

2 × CR123A battery (pre-installed)

Quick start guide

Certification and compliance with standards

FireProtect 2 RB (Heat/Smoke) UL Jeweller

Additional information

Compliance with standards

Learn more ⟩

User manual

Learn more ⟩

Warranty

24 months

Learn more ›

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End user agreement   Warranty