

FireProtect 2 (Heat) Jeweller

Where to buy

Tech specs

BASELINE

FireProtect 2 RB (Heat) Jeweller

Wireless heat detector with replaceable batteries



Compatibility

Hubs

Hub Plus >

Hub 2 (2G) >

Hub 2 (4G) >

Hub 2 Plus >

Hub Hybrid (2G) >

Hub Hybrid (4G) >

Radio signal range extenders

ReX >

ReX 2 >

Communication

Jeweller communication technology

Proprietary wireless technology for transmission of alarms and events.

Features:

- Two-way communication.
- Protection against device spoofing.
- Block encryption featuring a floating key.
- Instant notifications.
- Remote configuration via the Ajax apps.

Learn more >

Radio 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 region of sale.

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 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.

Radio frequency hopping

To prevent radio interference and jamming.

Learn more >

Dangerous temperature detection

Sensitive element

according to the requirements for Class A1R heat detectors

Requirements of EN 54-5 and BS 5446-2 standards.

High temperature alarm

at temperatures above 64°C

Temperature spike alarm

when the temperature rises more than 10°C in 1 minute or less

Additional features

In-built siren

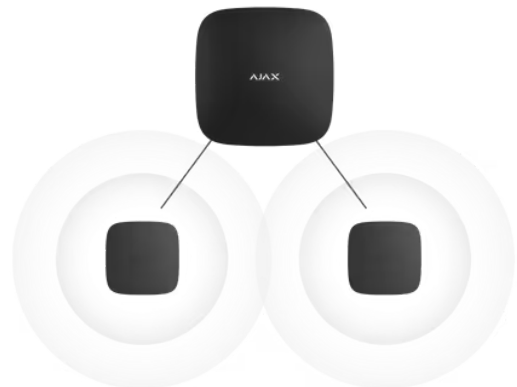
volume 85 dB at a distance of 3 meters

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



Interconnected Fire Detectors Alarms

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



[Learn more](#) >

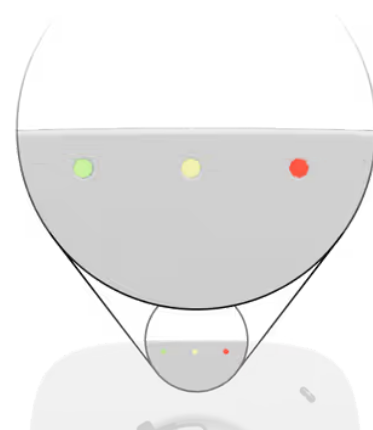
LED indication

green is a power indication

A LED indicator on the device enclosure lights up once every 56 seconds. The indication meets the requirements of EN 50291.

yellow is an indication of malfunctions

A LED indicator on the device enclosure lights up when malfunctions are detected. For



example, if the battery is low.

red is an indication of fire alarms

A 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, runs the detector test when pressed. In the event of an alarm or malfunction, the pressing turns off the detector sound notification.



Recommendations

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

Anti-sabotage protection

Tampering alarm

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

Learn more >

Protection against spoofing

device authentication

Detection of communication failure

within 15 minutes

The time to detect communication loss depends on the settings for the number of undelivered data packages (specified in the **Jeweller** or **Jeweller/Fibra** settings). The polling interval is fixed at 300 seconds.

[Learn more](#) >

Power supply

For FireProtect 2 RB (Heat)

2 × CR123A battery

Up to 7 years of battery life.

Enclosure

Dimensions

44 × 86 × 86 mm

Weight

146 g



Operating temperature range

from 0°C to +50°C

Operating humidity

up to 80%

Protection class

IP20



44 mm

Colours

Black



White



Complete set

FireProtect 2 RB (Heat) Jeweller

SmartBracket mounting panel

Installation kit

2 × CR123A battery (pre-installed)

Quick Start Guide

Additional information

Compliance with standards

[Learn more >](#)

User manual

[Learn more >](#)

Warranty

24 months

[Learn more >](#)

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Rating 4.7

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people worldwide under Ajax protection



Products

- Superior
- Fibra
- Intrusion protection
- Video surveillance
- Fire detection
- Water leak prevention
- Comfort & Productivity

Solutions

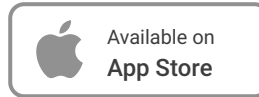
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- How it works
- Scenarios
- Customer stories
- Ajax Ready products
- Reviews and feedback

Company

- Blog
- About us
- Press page
- Events
- Career

Software

- For users
- PRO Desktop
- Ajax Translator
- Scenarios



Support

- Manuals and articles
- Compliance with standards

Tools

- Battery life calculator
- Radio communication range calculator
- Fibra power supply calculator
- Case configurator
- Switches and outlets configurator
- Ajax devices compatibility

For partners

- Bussiness with Ajax
- Events
- Brandbook
- Ajax SIM
- Enterprise API
- CMS integration