

FireProtect 2 (Heat/Smoke/CO) Jeweller

Wireless fire detector with heat, smoke, and CO sensors



The device comes in two versions: with replaceable batteries (RB) and with sealed batteries (SB):

- FireProtect 2 RB (Heat/Smoke/CO) Jeweller
- FireProtect 2 SB (Heat/Smoke/CO) Jeweller



Accurate fire detection

Smoke sensor

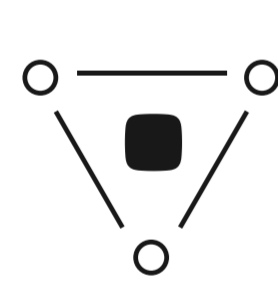
- A dual-spectrum optical sensor combined with the HazeFlow 2 software algorithm ignores vapor and water steam
- A patented smoke chamber is dustproof, impenetrable to insects, and requires no regular cleaning

Heat sensor

- Two A1R-class thermistors are located outside the enclosure to eliminate detection delays
- An alarm is activated when the temperature rises by 10 °C (32 °F) within a minute or exceeds +64 °C (122 °F)

CO sensor

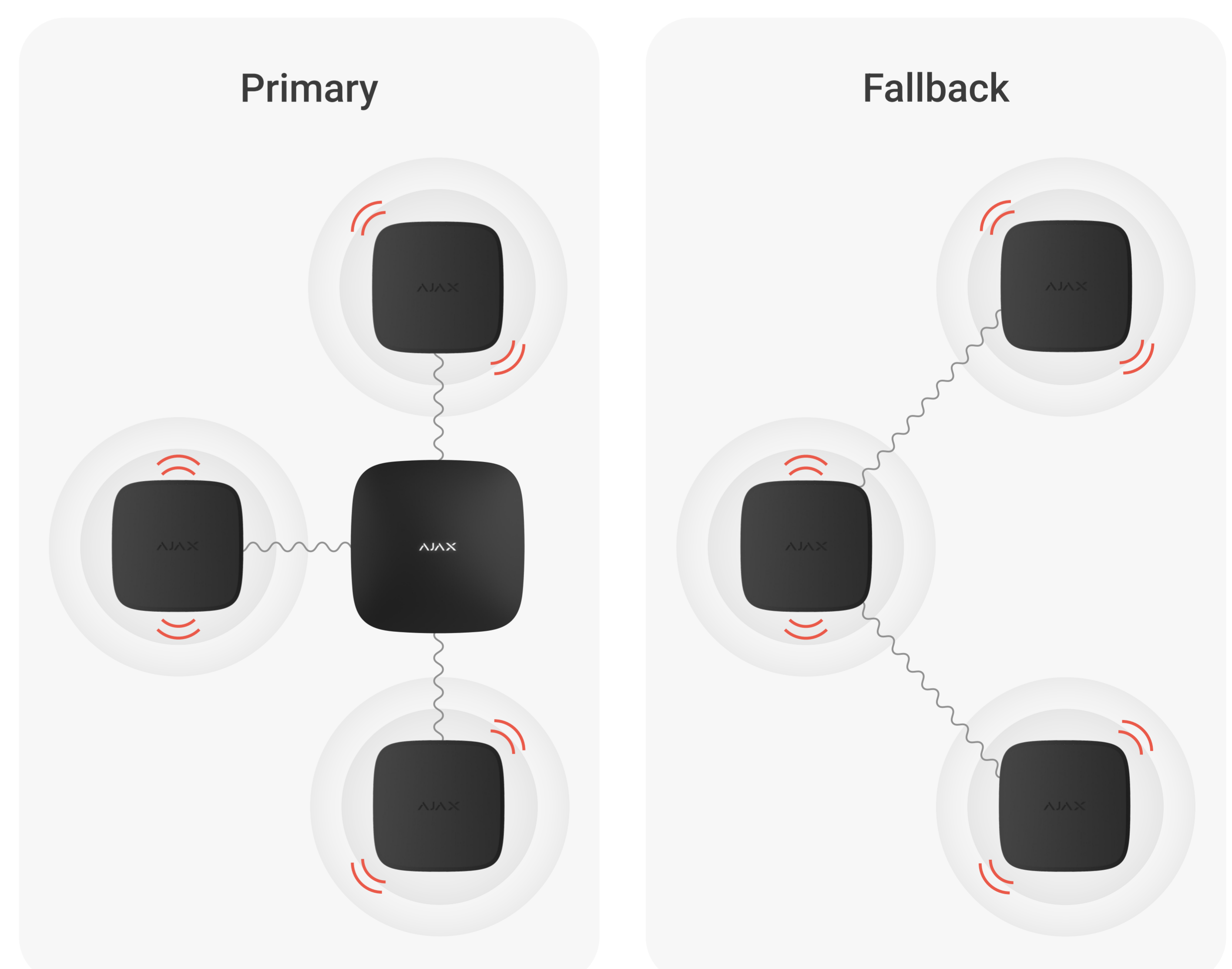
- A built-in chemical sensor accurately detects CO levels for up to 10 years
- A warning is provided when the CO concentration reaches the dangerous level of 50 ppm before the first signs of poisoning appear



Interconnected fire detector alarms

All FireProtect 2 RB/SB detectors in the system can be interconnected and raise a fire alarm simultaneously if one of the devices detects a threat.

There are two types of interconnection, namely **primary** (via an Ajax hub) and **fallback** (detector-to-detector), which work in parallel. In case of danger, an initiating detector sends a fire alarm to the hub, which, in turn, activates the **primary** interconnection. This activates the built-in sirens of all fire detectors in the system in 20 seconds. Meanwhile, the initiating detector activates the **fallback** interconnection and sends the alarm to other fire detectors. Even in the worst-case scenario, all fire detectors in the system notify of the danger within a minute.



System supervision


- Regular polling of each system device to display current states in apps
- Automatic detector self-diagnosis with state reporting to the hub
- Up to 1,700 m (5,550 ft) of wireless communication, or twice as much with a range extender
- Instant maintenance notifications

Additional features

- Automation scenarios activation
- Visual alarm verification using MotionCam detectors or cameras
- Indoor/outdoor siren activation
- Sending alarms to CMS
- Built-in 85 dB siren
- LED indication of detector states

Quick installation and setup

- SmartBracket panel to mount the device without disassembling the enclosure
- Pairing with a hub via QR code, with remote control and configuration in the app

<p>Compliance</p> <p>RB version EN 14604:2005/AC:2008 EN 50291-1:2018</p> <p>SB version EN 14604:2005/AC:2008 EN 50291-1:2018 BS 5839-6 (Grade F1) AS 3786:2014 BS 5446-2:2003 BSI KITEMARK Carbon Monoxide Alarms KM 797661 BSI KITEMARK Heat Alarms KM 797644 BSI KITEMARK Smoke Alarms KM 797639</p>	<p>Compatibility with hubs and range extenders</p>  <p>For detailed information, scan the QR code or follow the link: ajax.systems/tools/devices-compatibility/?models=FP2.RBHSC.J%2CFP2.SBHSC.J</p>	<p>Communication with a hub</p> <p>Jeweller communication technology</p> <p>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</p> <p>Maximum effective radiated power (ERP) Up to 20 mW</p> <p>Communication range up to 1,700 m up to 5,550 ft In an open space</p>	<p>Power supply</p> <p>RB version 2 × CR123A battery Up to 7 years of battery life</p> <p>SB version 2 × sealed lithium battery Up to 10 years of battery life</p>		
<p>Installation</p> <p>Operating temperature range from 0 °C to +50 °C from 32 °F to 122 °F</p> <p>Operating humidity up to 80%</p>	<p>Enclosure</p> <p>Color white, black</p> <p>Dimensions 124 × 124 × 45 mm 4.88" × 4.88" × 1.77"</p> <p>Weight 274.5 g 270 g 9.68 oz 9.52 oz For RB version For SB version</p> <p>Protection class IP20</p>	<p>Complete set</p> <table border="0"> <tr> <td data-bbox="1047 2003 1509 2525"> <p>RB version FireProtect 2 RB (Heat/Smoke/CO) Jeweller SmartBracket mounting panel Installation kit 2 × CR123A battery (pre-installed) Quick start guide</p> </td> <td data-bbox="1509 2003 1978 2525"> <p>SB version FireProtect 2 SB (Heat/Smoke/CO) Jeweller SmartBracket mounting panel Installation kit Quick start guide</p> </td> </tr> </table>		<p>RB version FireProtect 2 RB (Heat/Smoke/CO) Jeweller SmartBracket mounting panel Installation kit 2 × CR123A battery (pre-installed) Quick start guide</p>	<p>SB version FireProtect 2 SB (Heat/Smoke/CO) Jeweller SmartBracket mounting panel Installation kit Quick start guide</p>
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For detailed information, scan the QR code or follow the link:

ajax.systems/support/devices/fireprotect-2-heat-smoke-co/

 support@ajax.systems

 @AjaxSystemsSupport_Bot

 ajax.systems