

FireProtect 2 AC (Heat/Smoke/CO) Jeweller

Wireless mains-powered fire detector with heat, smoke, and CO sensors



Accurate fire detection

Smoke sensor

- A dual-spectrum optical sensor paired with HazeFlow 2 software algorithm ignores vapor and water steam
- A patented smoke chamber is dustproof, impenetrable to insects, and does not require regular clean-ups

Heat sensor

- Two A1R-class thermistors are located outside the enclosure to eliminate detection delays
- Alarms when the temperature increases by 10°C within a minute or exceeds +64°C

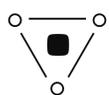
CO sensor

- Accurately detects the CO level for up to 10 years
- Warns when concentration reaches the dangerous level of 50 ppm, before the first signs of poisoning occur



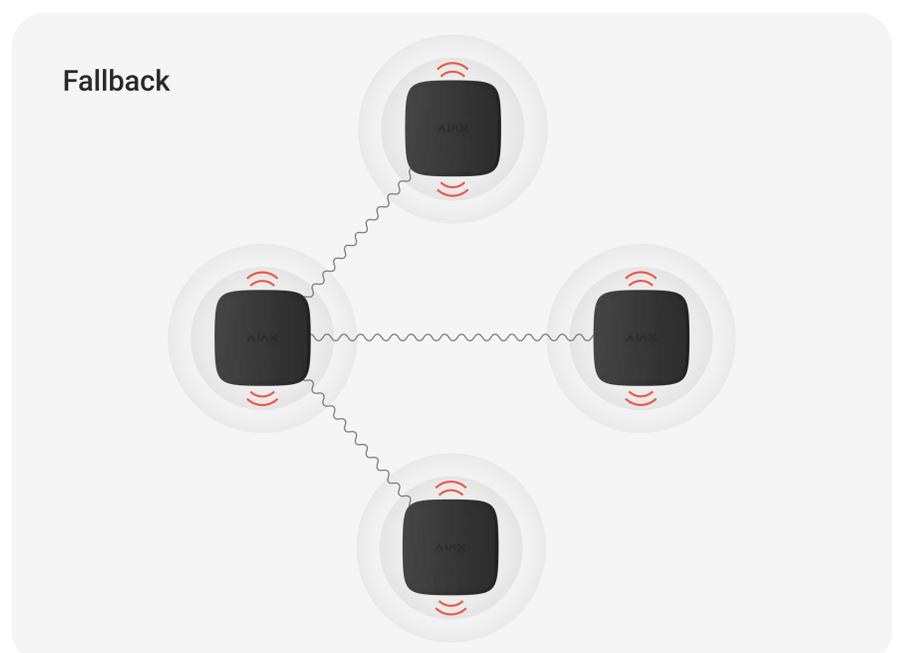
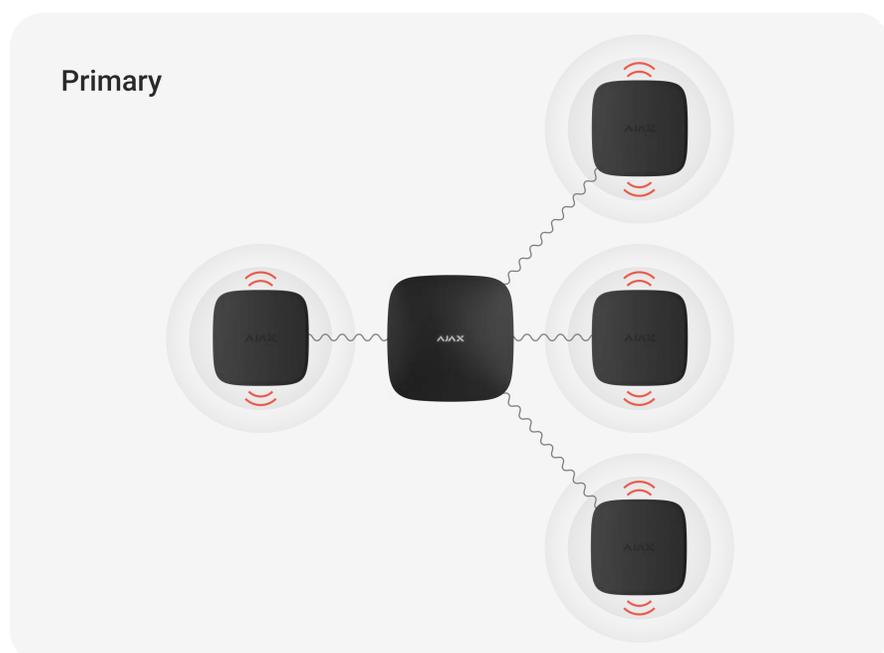
Power supply

The detector is powered by 110–240 V~ mains and includes a sealed backup battery. Even in a power outage, the detector continues to operate, ensuring quick and reliable fire detection throughout its 10-year lifespan.



Enhanced wireless interconnection

AC detectors can synchronously notify of a fire alarm through **primary** (via Ajax hub) and **fallback** (detector-to-detector) interconnections. In case of alarm, the hub activates the primary interconnection in 20 s. All information is instantly available in Ajax apps: initiating detector's location, fire alarm type, and exact time. Meanwhile, the initiating detector activates the fallback interconnection. Even if the connection with the hub is lost, raising the interconnected alarm takes only a minute.



System supervision

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

Additional features

- Automation scenarios activation
- Visual alarm verification using MotionCam detectors or any NVR camera
- Indoor/outdoor intrusion sirens activation
- Alarm delivery 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
- Removable WAGO 221 connectors to secure the wires without a screwdriver
- A lock to secure the device on SmartBracket
- Pairing with a hub via QR code, with remote control and configuration in the app

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| <p>Compliance</p> <p>EN 14604:2005/AC:2008 EN 50291-1:2018 BS 5839 (part 6, grade D1) AS 3786:2014 BSI KITEMARK Carbon Monoxide Alarms KM 797661 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.ACHSC.J</p> | <p>Communication with 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>Communication range up to 1,700 m In an open space</p> | <p>Power supply</p> <p>Main 110–240 V~, 50/60 Hz Up to 2 W of mains power consumption</p> <p>Backup battery 1 × CR 2/3 AA Sealed</p> |
| <p>Installation</p> <p>Operating temperature range from 0°C to +50°C</p> <p>Operating humidity up to 80%</p> | <p>Enclosure</p> <p>Color black, white</p> <p>Dimensions 122 × 122 × 54 mm</p> <p>Weight 318 g</p> | <p>Complete set</p> <p>FireProtect 2 AC (Heat/Smoke/CO) Jeweller</p> <p>SmartBracket mounting panel 1 × CR 2/3 AA battery (sealed) 2 × WAGO 221-3 connector (pre-installed) Installation kit Quick start guide</p> | |



For detailed information, scan the QR code or follow the link:

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

-  support@ajax.systems
-  @AjaxSystemsSupport_Bot
-  ajax.systems