## FireProtect 2 RB (Heat/CO) Jeweller

Wireless heat and carbon oxide detector

| **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.

|  |
| --- |
| **Radio frequency bands**866.0–866.5 MHz868.0–868.6 MHz868.7–869.2 MHz905.0–926.5 MHz915.85–926.5 MHz921.0–922.0 MHzDepends on the region of sale. |

**Maximum effective radiated power (ERP)**up to 20 mWAutomatic power control to reduce power consumption and radio interference.**Radio signal modulation**GFSK**Radio communication range**up to 1,700 mup to 5,500 ftBetween the detector and a hub (or radio signal range extender) in an open space.**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. |
| --- | --- | --- | --- |
| **Sensitive elements** | * heat sensor
* CO (carbon monoxide) sensor
 |
| **Dangerous temperature detection** | **Sensitive element**according to the requirements for Class A1R heat detectorsRequirements of EN 54-5 and BS 5446-2 standards.**High temperature alarm** at temperatures above 64°Cat temperatures above 147°F**Temperature spike alarm**when the temperature rises more than 10°C 50°F in 1 minute or less |
| **Carbon monoxide (CO) detection** | **Sensitive element**chemical CO sensor**Alarm if accumulated dose of CO is exceeded**more than 50 ppm (0.005%) — no more than in 90 minutesmore than 100 ppm (0.01%) — no more than in 40 minutesmore than 300 ppm (0.03%) — no more than in 3 minutesCO concentration of 400 ppm (0.04%) within 3 hours can be life-threatening. The detector stops notifying about the dangerous level of carbon monoxide when the concentration drops to 50 ppm (0.005%) within one minute.**Sensor life**10 yearsAfter 10 years of operation, the detector must be replaced with a new one. |
| **Additional features** | **In-built siren**volume 85 dB at a distance of 3 metersvolume 85 dB at a distance of 9 ftSound notification of alarms. Active until the reason for triggering is eliminated or until the user disables notification.**Interconnected fire detectors alarms**via primary interconnectionIf one of the fire detectors in the system detects a threat, it sends an alarm to the hub. Within 20 seconds, the hub initiates an interconnected alarm and sends data to Ajax apps.via fallback interconnection1At the same time with notifying the hub, the initiating detector sends an alarm directly to other detectors. All connected detectors activate the buzzer within a minute. It will work even in the worst-case scenario of losing connection with the hub.1 Fallback interconnected alarm is available only for FireProtect 2 detectors with firmware version 5.59.2.ХХ or later. Devices that support the fallback interconnected alarm are marked on the package with a “Fallback interconnect supported” label.**LED indication**green is a power indicationA 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 malfunctionsA LED indicator on the device enclosure lights up when malfunctions are detected. For example, in the case of discharged batteries, contamination of the smoke chamber, or end of the service life.red is an indication of fire alarmsA 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, when pressed, it starts the smoke chamber test. In the event of an alarm or malfunction, the pressing turns off the detector sound notification. |
|  | 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.**Protection against spoofing**device authentication**Detection of communication failure**within 15 minutesThe 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. |
| **Power supply** | **For FireProtect 2 RB (Heat/CO)**2 × CR123A batteryUp to 7 years of battery life. |
| **Enclosure** | **Dimensions**44 × 86 × 86 mm1.71″ × 3.39″ × 3.39″**Weight**149 g5.26 oz**Operating temperature range**from 0°С to +50°Сfrom 32°F to 122°F**Operating humidity**up to 80%**Protection class**IP20 |
| **Colours** | * Black
* White
 |
| **Complete set** | FireProtect 2 RB (Heat/CO) JewellerSmartBracket mounting panelInstallation kit2 × CR123A battery (pre-installed)Quick Start Guide |
| **Warranty** | 24 months |