## FireProtect 2 RB (Heat/Smoke/CO) Jeweller

Wireless smoke, heat, and carbon monoxide 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 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  up to 5,500 ft  Between 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. |
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| **Sensitive elements** | * smoke sensor * heat sensor * CO (carbon monoxide) sensor |
| **Smoke detection** | **Sensitive element**  double-spectrum optical sensor  Recognizes smoke by the size of particles in the air.  **Protection from false alarms**  Does not react to water vapor.  **Patented smoke chamber**  Protects the smoke sensor from dust, dirt, and insects. |
| **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  at 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 minutes  more than 100 ppm (0.01%) — no more than in 40 minutes  more than 300 ppm (0.03%) — no more than in 3 minutes  CO 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 years  After 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 meters  volume 85 dB at a distance of 9 ft  Sound notification of alarms. Active until the reason for triggering is eliminated or until the user disables notification.  **Interconnected fire detectors alarms**  via primary interconnection  If 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 interconnection1  At 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 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, in the case of discharged batteries, contamination of the smoke chamber, or end of the service life.  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, 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 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. |
| **Power supply** | **For FireProtect 2 RB (Heat/Smoke/CO)**  2 × CR123A battery  Up to 7 years of battery life. |
| **Enclosure** | **Dimensions**  124 × 124 × 45 mm  4.88″ × 4.88″ × 1.77″  **Weight**  274.5 g  9.68 oz  **Operating temperature range**  from 0°С to +50°С  from 32°F to 122°F  **Operating humidity**  up to 80%  **Protection class**  IP20 |
| **Colours** | * Black * White |
| **Complete set** | FireProtect 2 RB (Heat/Smoke/CO) Jeweller  SmartBracket mounting panel  Installation kit  2 × CR123A battery (pre-installed)  Quick Start Guide |
| **Warranty** | 24 months |