

FireProtect 2 RB (Heat/Smoke/CO) Jeweller

Wireless combined heat, smoke, and CO detector with replaceable batteries

Compatibility	Hubs Radio signal range extenders
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 between the detector and a hub (or radio signal range extender) in an open space.

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:	smoke sensor heat sensor CO (carbon monoxide) sensor
Smoke detection	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 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

Carbon monoxide (CO) detection 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
Sound notification of alarms. Active until the reason for triggering is eliminated or until the user disables notification.

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.

LED indication green is a power indication
yellow is an indication of malfunctions
red is an indication of fire alarms

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
Protection against spoofing
Detection of communication failure within 15 minutes

Power supply 2 × CR123A battery
Up to 7 years of battery life.

Dimensions 124 × 124 × 45 mm

Weight 274.5 g

Operating temperature range	from 0°C to +50°C
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