FireProtect 2 RB (Heat/Smoke) Jeweller

Wireless combined heat and smoke detector with replaceable batteries

Compatibility	Hub*
	Hub Plus
	Hub 2 (2G)
	Hub 2 (4G)
	Hub 2 Plus
	Hub Hybrid (2G)
	Hub Hybrid (4G)
	* with firmware version OS Malevich 2.15.4 or higher
	ReX
	ReX 2

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.

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 smoke sensor
heat sensor

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

Temperature spike alarm when the temperature rises more than 10°C in 1 minute or less

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.

Interconnected Fire Detectors Alarms 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**
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.

Recommendations 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)
2 × CR123A battery
Up to 7 years of battery life.

Enclosure

Dimensions   124 × 124 × 45 mm

Weight   272 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) Jeweller
SmartBracket mounting panel
Installation kit
2 × CR123A battery (pre-installed)
Quick Start Guide

Warranty   24 months