FireProtect 2 Jeweller

(Heat | Smoke)

Wireless smoke and heat detector

Compatibility	**Hubs** ● Hub 2 (2G) ● Hub 2 (4G) ● Hub 2 Plus ● Hub Hybrid (2G) ● Hub Hybrid (4G) **Radio signal range extenders** ● ReX 2
Communication	**Jeweller communication technology** Proprietary wireless communication technology to transmit events. **It features:** ● Two-way communication. ● Protection against spoofing. ● Block encryption with a dynamic key. ● Instant notifications. ● Remote configuration via the Ajax apps. Learn more **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.

	Maximum effective radiated power (ERP) up to 20 mW Automatic power regulation 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/range extender in an open space. Calculate radio communication range **Encrypted radio communication** All the data stored and transmitted are protected by block encryption with a dynamic key. **Radio frequency hopping** To prevent radio interference and jamming. Learn more
Sensitive elements	• Smoke sensor • Temperature 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 vapour. **Patented smoke chamber** Protects the smoke sensor from dust, dirt, and insects.
Dangerous temperature detection	**Sensitive element** according to the requirements for Class A1 temperature 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
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. **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.
Anti-sabotage protection	**Tampering alarm** Alerts of attempts to detach the detector from the surface or remove the mounting panel. Learn more **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. Learn more
Power supply	**For FireProtect 2 RB (Heat/Smoke)** 2 × CR123A battery Up to 7 years of battery life.

	For FireProtect 2 SB (Heat/Smoke) 2 non-replaceable lithium batteries Up to 10 years of battery life.
Enclosure	**Dimensions** 123,7 × 123,7 × 44,7 mm **Weight** 272,5 g For FireProtect 2 RB (Heat/Smoke). TBC g For FireProtect 2 SB (Heat/Smoke). **Operating temperature range** from 0°C to +50°C **Operating humidity** up to 80% **Protection class** IP20
Colours	• Black • White
Complete set	**For FireProtect 2 RB (Heat/Smoke)** FireProtect 2 RB (Heat/Smoke) Jeweller SmartBracket mounting panel Installation kit 2 × CR123A battery (pre-installed) Quick Start Guide **For FireProtect 2 SB (Heat/Smoke)** FireProtect 2 SB (Heat/Smoke) Jeweller SmartBracket mounting panel Installation kit Quick Start Guide
Additional information	**Compliance with standards** Learn more **Warranty** 24 months Learn more