

EN54 FireProtect (Heat/Smoke) Jeweller

Wireless addressable point heat and smoke detector

Communication	Jeweller communication technology Proprietary wireless communication technology to transmit commands, alarms, and events. Key features: • Two-way communication. • Advanced sabotage protection. • Block encryption featuring a dynamic key. • Instant notifications. • Remote control and configuration in Ajax apps. 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 control to reduce power consumption and radio interference. Radio signal modulation GFSK Radio communication range up to 1,700 m up to 5,550 ft Between the device and control and indicating equipment (CIE) or a range extender in an open space. Encrypted communication
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	All stored and transmitted data is protected by block encryption featuring a dynamic key. Frequency hopping To prevent radio interference and jamming.
Dangerous temperature detection	Sensitive element 2 × thermistor According to the EN 54-5 requirements for heat detectors of Class A1, B, and C with rate-of-rise (R) and static (S) response types. Heat sensor modes • A1, A1R, A1S • B, BR, BS For better detection of fire hazards, depending on the installation site of the device. Can be selected in the device settings. Only the following heat sensor modes are compliant with EN 54 requirements: A1R, A1S, BR, and BS.
Smoke detection	Sensitive element dual-spectrum optical sensor Detects smoke based on the size of particles in the air. False alarm protection The device does not respond to water vapor. Patented smoke chamber Protects the smoke sensor from dust, dirt, and insects.
Installation recommendations	The device is designed for indoor use only. The SmartBracket mounting panel allows the detector to be rotated up to 90° even after installation.
Sabotage protection	Tamper button Fault notification when an attempt is made to remove the device from the mounting panel. Lock for SmartBracket to secure the device on the SmartBracket mounting panel

	When locked, the lock secures the device and prevents it from being removed without a special tool. Protection against spoofing device authentication Connection loss detection after 36 s Detection time depends on Jeweller settings.
Power supply	Battery 2 × CR123A Pre-installed. Tool-free battery replacement To replace the batteries, open the lids of the battery compartments. Reverse polarity protection Prevents device damage if the batteries are put in incorrectly. Recommended battery type Huiderui CR123A; 3 V; 1,600 mAh, LiMnO₂ Calculated battery life up to 6 years
Enclosure	Dimensions 124 × 124 × 48 mm 4.87" × 4.87" × 1.90" Weight 278 g 9.81 oz Operating temperature range from 0 °C to +50 °C from 32 °F to 122 °F Operating humidity up to 80% Protection class

	IP20 Flammability rating UL 94 V-0
Color	Black White
Complete set	EN54 FireProtect (Heat/Smoke) Jeweller SmartBracket mounting panel 2 × CR123A battery (pre-installed) Installation kit Quick start guide
Warranty	24 months