EN54 FireProtect (Sounder/VAD) Jeweller

Wireless fire alarm sounder combined with a visual alarm device (VAD)

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
	All stored and transmitted data is protected by block encryption featuring a dynamic key.
	
	Frequency hopping
	To prevent radio interference and jamming.

Key features	**Alarm type** acoustic and light A sounder and LED frame. **Sound volume** from 65 to XX dB at a distance of 1 m 3.3 ft Adjusted by a PRO or user with admin rights in an Ajax app. **Sound pattern** 32 tones **Learn more >** **Flash frequency** 90 ms ON / 1,910 ms OFF (cycle duration: 2,000 ms; frequency: 0.5 Hz) **Alarm annunciation test** To check the sound and visual alarm signals to ensure fire alarm signals are clearly audible and visible in the premises.
Installation recommendations	The device's recommended installation height is up to 3 m on the ceiling and up to 2.4 m on the wall. The device's recommended installation height is up to 9.8 ft on the ceiling and up to 7.8 ft on the wall. The device is designed for outdoor and indoor use.
Sabotage protection	**Tamper alarm** Notifications of attempts to detach the device from the surface or remove 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** 4 × CR123A Pre-installed. **Tool-free battery replacement** To replace the batteries, turn the battery compartment cover counterclockwise. **Learn more** **Reverse polarity protection** Prevents device damage if the batteries are put in incorrectly. **Recommended battery type** Huiderui CR123A; 3 V; 1,600 mAh, $LiMnO_2$ **Calculated battery life** up to 5 years In standby mode. up to XX minutes In annunciation mode.
Enclosure	**Dimensions** 145 × 145 × 51 mm 5.71" × 5.71" × 2.00" **Weight** 561 g 1.237 lb **Operating temperature range** from −10 °C to +50 °C from 14 °F to 122 °F **Operating humidity** up to 80% **Protection class** IP54
Color	**Black** **White** **Red**
Complete set	EN54 FireProtect (Sounder/VAD) Jeweller 4 × CR123A battery (pre-installed) Installation kit Quick start guide
Warranty	24 months