RF-9011-07-1

Wireless repeater 433 MHz

General

The wireless repeater receives and retransmits signals from 433 MHz Learn Mode sensors to increase the distance a wireless sensor can be mounted away from the control panel or wireless receiver and is therefore ideal for installations where wireless sensors are either beyond panel reception or cannot pass the sensor test.

In smart mode, up to 4 repeaters can be cascaded to further increase the wireless coverage of the wireless security system. Up to 16 repeaters can be used in one system.

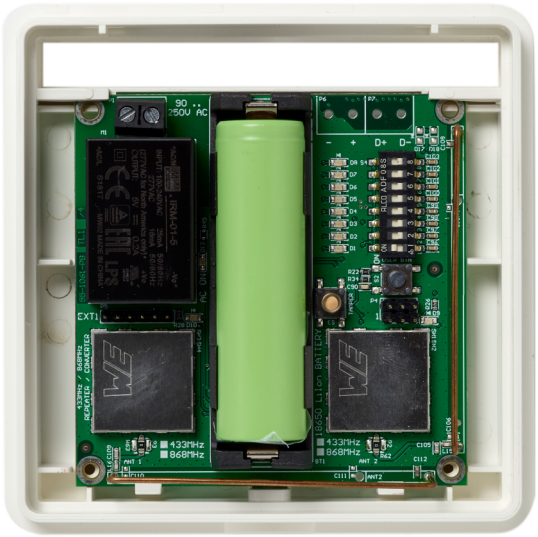
Installation

The wireless repeater has a tamper protection for opening the enclosure as well as for removing the unit from the wall. Its compact design and the fact there are no visible antenna's makes it suitable to be installed in any interior.

The repeater is powered from the mains and includes a rechargeable lithium-ion backup battery.

Diagnostics

On the wireless repeater, a number of color LEDs indicate the radio strength signal (RSSI) allowing identifying the best location inside the premise where to install the wireless sensors. Other than the RSSI value, the LEDs can also visualize the noise floor level and the battery level of the backup battery which is included.



Details

- 433 MHz 63 bit or 433 MHz LoNa support selectable
- Compact size and modern design
- No external antennas
- Visualization of sensor RSSI, Noise Floor Level, Battery level
- Cover and pry-off tamper
- -8dB test function
- Lithium-ion rechargeable backup battery included
- Reports AC failure, low battery, tamper, RF supervisory, RF jamming
- EN50131 Grade 2, INCERT Grade 2

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Technical specifications

General

Expander type	Databus isolator / repeater
Compatibility	Smart Mode : xGenConnect, Advisor Advanced Dumb Mode : ZeroWire

Wireless

Operating frequency	433 MHz
Supported wireless devices	433 MHz 63 bit sensors & keyfobs 433 MHz LoNa sensors and repeaters
Maximum number of sensors	64 or max number supported by panel
Maximum number of repeaters in daisy chain	4
Maximum number of repeaters in one system	16
Maximum power output	10 dBm

Backup

Battery type	3.6 V ; 3200 mAh lithium ; Li-ion battery (included) Samsung INR18650-35E ; Panasonic NCR18650B

Electrical

Operating voltage	100 to 230 VAC
Current consumption	min. 11 mA max 24.2 mA

Physical

Physical dimensions	102 x 102 x 33 mm
Net weight	220 g
Colour	White
Material	ABS plastic

Environmental

Operating temperature	0 to +40°C
Relative humidity	80% noncondensing
Environment	Indoor

Regulatory

Certification	EN50131 Grade 2, INCERT

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