

RP-23 Series RF Extender Repeater

Extending Communication Range



RP-23 is a powerful RF repeater that extends wireless RF communication range into hard-to-reach areas. The RP-23 can boost the communication range between the gateway and sensors, thereby solving the problem of signal loss due to distance limitations. RP-23 is also capable of filtering out signals that have been received before, thus eliminating repetitive or unnecessary signal transmissions.

When cascading multiple RP-23 repeaters to form a transmission relay, it should be limited to not more than two layers of repeaters. The RP-23 is equipped with cutting-edge RF communications to radically reduce signal collisions, lower power consumption, extend battery life and enhance network efficiency.

With the additional backup battery, the RP-23 will continue to work even when there is a power outage or the power is intentionally sabotaged. RP-23 will effectively increase the overall range of your signals to reach the farthest corners of your home.

Features

- Extends the communication range between security alarm gateway and sensors
- Smart signal filtering eliminates repetitive or unneeded signal transmissions
- Rechargeable backup battery
- Two-way signal communication (RP-23-2W-F1 only)
- Four LEDs display power, installation, transmission & reception status
- Regular supervision signals to check system integrity
- Tamper protection against unauthorized removal
- Suitable for residential and commercial premises

Specifications

RP-23-F1 / RP-23-2W-F1

RF Frequency	F1 433MHz / F1 868MHz
Power Supply	12V @ 1A
Backup Battery	600mAh, Ni-MH AAA rechargeable battery pack
Backup Battery Life	18 hours*
Radio Frequency Ranges	F1 433MHz: Over 400 meters in open space F1 868MHz: Over 500 meters in open space
Operating Temperature	0°C to 45°C (33°F to 113°F)
Operating Humidity	Up to 85% non-condensing
Dimensions	186mm x 130mm x 30mm

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Specifications

RP-23

RF Frequency	433MHz / 868MHz
Power Supply	12V @ 1A
Backup Battery	600mAh, Ni-MH AAA rechargeable battery pack
Backup Battery Life	18 hours*
Radio Frequency Ranges	433MHz: Over 200 meters in open space 868MHz: Over 300 meters in open space
Operating Temperature	0°C to 45°C (33°F to 113°F)
Operating Humidity	Up to 85% non-condensing
Dimensions	186mm x 130mm x 30mm

* Note: Actual battery life may vary due to device settings, usage, and environment.

Ordering Information

RP-23	RF Extender Repeater
RP-23-F1	RF Extender Repeater with increased RF range and supports Climax's F1 Control Panels/Sensors
RP-23-2W-F1	RF Extender Repeater with two-way signal, increased RF range and supports Climax's F1 Control Panels/Sensors