CityMesh MAX

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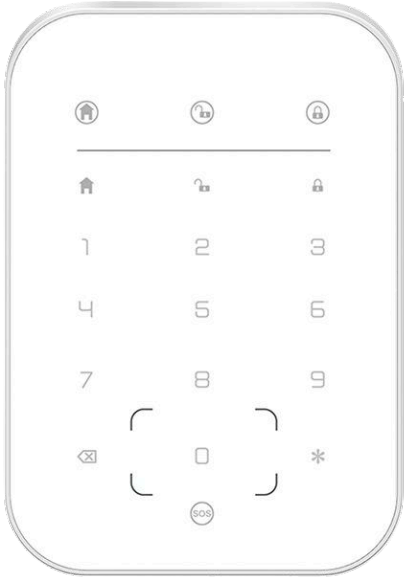
Remote control

The **RC-01** is a wireless remote control featuring a minimalist and ergonomic design, developed to provide complete and simplified control of the security system. This device enables essential functions such as full arming, partial arming (stay mode), disarming, and panic alert activation through dedicated high-response tactile buttons. Its bidirectional communication technology ensures that the user receives confirmation of executed commands, while its robust construction and compact size make it ideal for carrying on a keychain. With a focus on low power consumption and stable signal transmission, the RC-01 provides a secure and mobile user interface for the daily management of home or business protection.

Model	RC-01
Power Supply	DC3V, 1xCR2450
Wireless Protocol	FSK 433 MHz
Transmission Range	Up to 250 meters outdoors
Functions	Arm / Stay Arm / Disarm, SOS
Battery Life	2 years (10 activations per day)
Operating Temperature	-10~55°C
Operating Humidity	5~95%RH
Dimensions	72.5x40.5x9.9mm
Certification	CE

Wireless keypad

The **WK-01** is a wireless keypad designed for alarm system control, allowing users to arm, disarm, and activate functions such as SOS mode using a password. It features bidirectional FSK communication for a fast and stable connection, along with AES encryption technology that ensures secure data transmission. The device supports remote access management, including the creation and editing of access codes, as well as a duress password function that sends a silent alert in emergency situations. It includes a backlit touch keypad, audible and visual indicators, tamper protection, and a battery life of up to 3 years, with a wireless communication range of up to 250 meters outdoors.



Model	WK-01
Wireless Protocol	FSK 433 MHz
Detection Range	250m
Material	ABS
Product Name	Wireless Keypad
Power Supply	DC 3V Battery, 4x AA
Wireless Protocol	FSK 433 MHz
Transmission Range	Up to 250 meters outdoors
Sound Indication	Yes
Battery Life	3 Years

Magnetic

The **DW-01** is a high-precision door and window contact sensor designed to protect access points such as doors and windows through FSK 433 MHz wireless technology. This device stands out for its extended communication range and superior signal stability, ensuring a constant connection with the central control panel. Equipped with a highly responsive magnetic contact, it instantly detects any separation between surfaces and sends a real-time alert to the system. Its compact design, low power consumption, and easy installation make it a discreet and effective solution for enhancing perimeter security in homes and businesses.

Model	DW-01
Power Supply	Battery: DC 3V, 1x CR123A
Wireless Protocol	FSK 433 MHz
Transmission Range	Up to 250 meters outdoors
Detection Distance	20mm max.
LED Indicator	Yes, red and green
Tamper Alarm	Yes
Battery Life	5 years (10 activations per day)
Installation Method	Wall mounting with 3M adhesive or screws
Operating Temperature / Humidity	-10~55°C / 95%RH
Dimensions	89.8x30.1x20.5mm/89.8x17.7x20.5mm
Certification	CE

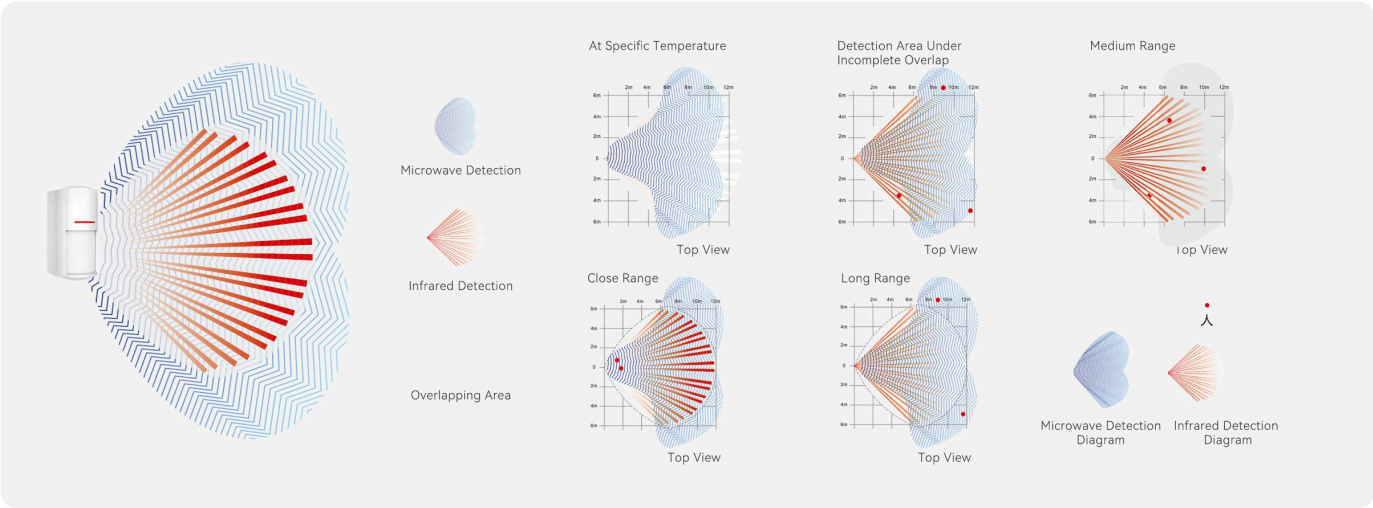
Indoor PIR

The **SP-I-01** is a high-precision infrared motion sensor designed for indoor security applications, utilizing FSK 433 MHz wireless technology with a communication range of up to 250 meters. This device features pet immunity for animals up to 35 kg and a wide 110° detection angle, ensuring reliable coverage in residential environments. Its compact and efficient design enables continuous system monitoring, providing a robust and scalable security solution.

Model	SP-I-01
Application Scenarios	Indoor application
Wireless Protocol	FSK 433MHZ
Material	ABS
Sensor Type	Motion Sensor
Power Supply	DC 3V CR123A Battery
Transmission Range	Up to 250 meters outdoors
Detection Angle	110°
Battery Life	5 years (10 activations per day)
Installation	Wall mounting with adhesive tape or screws
Operating Temperature	-10~55℃
Operating Humidity	5~95%RH
Dimensions	114,6mm × 61,1mm × 43,5mm

Outdoor PIR

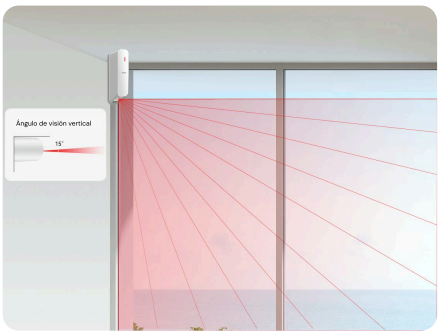
The **SP-O-01** is a high-security motion detector that combines dual passive infrared and microwave technologies for precise detection in demanding outdoor environments. It uses FSK 433 MHz wireless communication with a range of up to 250 meters, ensuring a stable and long-distance connection with the central control panel. This sensor features pet immunity for animals up to 35 kg and robust IP54 weather protection.



Model	SP-O-01	Optimal Installation Height	2.2 meters
Operating Voltage	DC 3.0V	Installation Method	Wall mounting
Power Supply	2 × CR123A batteries	Operating Temperature	-25°C to +55°C, relative humidity <95% non-condensing
Detection Angle	110°	Protection Rating	IP54
Detection Range	16 meters	Compliance Standards	EN 50131-2-4 / CE
Detection Type	10.525 GHz microwave sensor with infrared technology	Dimensions	153mm x 80mm x 58mm
Optional Bracket	Adjustable bracket, 180° left to right and 30° top to bottom	Wireless Protocol	FSK 433MHZ
Pet Immunity	≤35 KG	Transmission Range	250 meters

Curtain PIR

The **SP-C-01** is a specialized motion detector that uses infrared curtain technology to protect specific access points such as doors and windows. Equipped with 433 MHz FSK wireless communication, this device offers a signal range of up to 250 meters to the central panel, ensuring robust connectivity even in extensive installations. Its narrow and precise detection beam of up to 5 meters minimizes false alarms in passage areas, while its compact and efficient design allows for constant supervision and intelligent power management, ideal for discrete and highly reliable internal perimeter protection.



Wall Mounting:

Recommended installation height: 2.4 m

Detection distance: 12 m

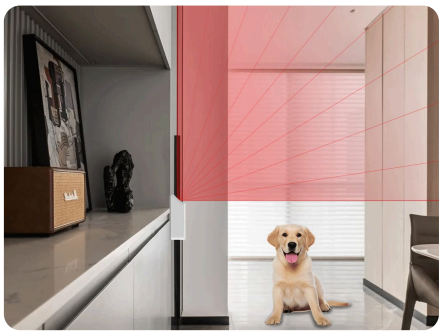
It is installed on the side of the wall to detect human intrusions across the entire window.

Ceiling Installation:

Recommended installation height: 3 m, maximum 3.6 m

Detection distance: 8 m

It is installed between doors and windows to detect intrusions in the window without affecting the owner's entry and exit.



Inverted Wall Mounting:

Recommended installation height: 1 m from the ground

Detection distance: 6 m

Inverted wall mounting, on the side of the wall, to prevent pets moving around the room from triggering the alarm.

Model	SP-C-01	Detection Distance	12m (wall mount) / 8m (ceiling mount)
Operating Voltage	DC3V(CR123A)	Detection Angle	15°
Operating Current	50mA	Wireless Protocol	FSK 433MHz
Static Current	≤35μA	Wireless Distance	250m (open area)
Operating Temperature	-10°C ~ +55°C	Battery Life	5 years
Operating Humidity	≤95%RH, non-condensing	Dimensions	132 × 34 × 43mm
Installation Method	Wall mount 2.4m / Ceiling mount 3.6m		

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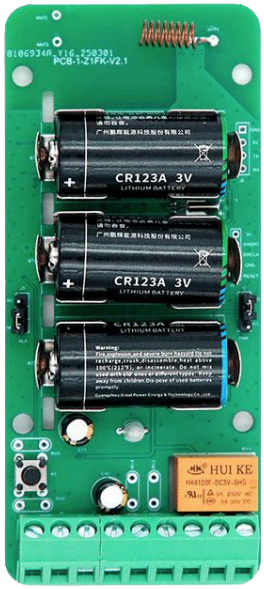
Outdoor siren

The **S-O-01** is a wireless device designed for alarm systems that emits audible and visual alerts during intrusion events, reinforcing deterrence and notification within the environment. It offers integrated operation with the alarm panel, activating automatically upon system triggers and providing a clear, powerful signal. It features a communication range of up to 250 meters, allowing for outdoor installation while maintaining a stable connection with the system, and incorporates light indicators and reliable operation for residential and commercial applications.

Model	S-O-01
Wireless Protocol	FSK 433 MHz
Operating Voltage	DC12V
Operating Current	<20mA
Operating Temperature	-25°C~+70°C
Operating Humidity	5~95%RH
Backup Battery	24 hours standby with backup battery
Battery Capacity	1000mAh backup battery
Dimensions	164x164x57mm
Compliance Standard	EN 50131-4
Detection Range	250 Meters

Wired zone MAX

The **WS-01** is a versatile expansion module designed to integrate wired peripherals into the MAX wireless ecosystem using 433 MHz FSK technology with a range of up to 250 meters. This device stands out for having digital inputs and outputs that allow it to not only receive signals but also power one or more wired sensors directly, thanks to its integrated 3.3V (3V3) output, transforming them into high-performance wireless devices. With this capability, the WS-01 eliminates the need for additional external power sources for local sensors, facilitating the modernization of existing systems and allowing any wired detector to report events bidirectionally and securely to the central panel.



Model	WS-01
Operating Voltage	DC3V, 3xCR123A
Standby Current	< 50µA
Wireless Protocol	FSK 433 MHz
Transmission Power	≤13dBm
Transmission Range	250m
Relay	DC24V/1A, AC120V/1A
Output Power	DC3.3V, Max. 10mA
Operating Temperature	-10~55°C
Operating Humidity	≤95%RH
Dimensions	113x50x22mm

Wireless Relay MAX

The **WR-01** is an intelligent expansion module designed for the remote control of electrical devices and home automation using 433 MHz FSK wireless technology. This relay allows for the activation or deactivation of lights, gates, irrigation systems, and other low-voltage equipment directly from the mobile application or through programmed scenes on the central panel. Thanks to its bidirectional communication and compact design, the WR-01 integrates easily into existing installations, offering a fast and reliable response to transform a conventional security system into a complete solution for intelligent management and access control.

Main Features

- Control multiple scenarios.
- Dual control modes: Local button control + remote app control (anytime, anywhere).
- Robust design: Supports 9-24V DC input, AC/DC output (10A), and operates in environments between -10°C and 55°C.

Model	WR-01
Input Power	CC 9-24 V, 500 mA
Output Capacity	CA 250 V 10 A / CC 30 V 10 A
Wireless Protocol	FSK 433 MHz
Range	250m (in open area)
Dimensions	74 × 70 × 25 mm
Operating Temperature	-10 °C ~ +55 °C
Housing Material	Metal

Smoke detector

The **SD-01** is a high-sensitivity photoelectric sensor designed for early fire detection using 433 MHz FSK wireless technology. This device stands out for its state-of-the-art detection chamber, capable of identifying visible smoke particles and activating a powerful 85 dB internal audible alarm at any sign of danger. With a compact design and constant bidirectional communication with the central panel, the SD-01 ensures 24/7 protection in residential or commercial areas, offering efficient battery consumption management and remote monitoring of the sensor status via the mobile application.

Model	SD-01
Wireless Protocol	FSK 433 MHz
Operating Voltage	DC3V (AA battery*2)
Operating Current	<80mA
Static Current	<60μA
Operating Temperature	-10°C~+55°C
Operating Humidity	≤95%RH, non-condensing
Alarm Sound	80dB (3 meters front-facing)
Detection Range	250 Meters
Battery Life	2~3 Years
Dimensions	Ø105*40mm
Implementation Standard	EN14604

CO Detector

The **COD-01** is a wireless security device designed to integrate with alarm systems, enabling event detection and signal transmission to the central panel to activate alerts. It operates through stable communication with the panel, offering a quick response to hazardous situations and facilitating environmental supervision. It is intended for residential and commercial applications, featuring easy installation and reliable operation within a smart security ecosystem.

Model	COD-01
Wireless Protocol	FSK 433 MHz
Operating Voltage	DC3.0V
Power Supply	Battery: CR123A
Detection Gas	Carbon Monoxide (CO)
Sampling Method	Natural Diffusion
Detection Range	0-500ppm
Alarm Concentration	200ppm
Margin of Error	±50 ppm
Alarm Method	Audible and visual alarm
Noise Level	≥85 dB (at 3 meters distance)
Operating Environment	-10°C ~ +55°C, relative humidity ≤95%, non-condensing
Dimensions	Ø86*32mm
Compliance Standard	EN50291