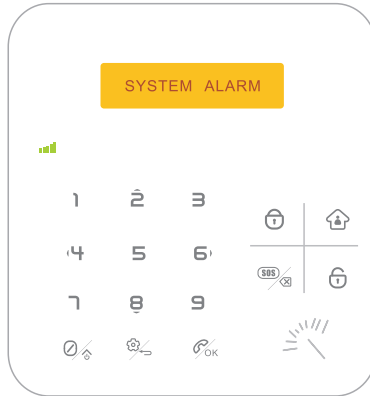


INSTRUCTION MANUAL



GSM Wireless Security Alarm System

Key Features

Smart keypad with LCD display

Quad-band GSM communication, works with SIM card

Calendar, five personal emergency phone numbers

One central monitoring station phone number

Alarm notification via phone call or SMS

Built-in speaker and microphone

Remote two-way intercom

Extra SMS phone number for system's status

Alarm memo, entry delay, exit delay

Hybrid alarm, 30 wireless zones, 4 hardwired zones

Advanced zone attribute, user-friendly zone names

Temperature display and relay signal output

Support wireless LCD/LED keypad and wireless siren

Support user code and installer code

100 alarm log

SMS alert, when system: Arm/Disarmed, sensor's low battery, AC power failure, phone line disconnect

Reset factory design

Built-in siren

Remote Control The Relay output 12V (12V output for arm and disarm) and SMS Control The Relay Output 12V

Alarm communication via ADEMCO Contact ID protocol

Backup rechargeable battery, last more than 24 hours

Work with CCTV system, IP camera

Technical Information

- Power Supply: AC 100~240V 50/60Hz,
- Working Voltage: DC12V 1A
- Static Current: <35mA(When not in Charging,not including wired sensor)
- Alarm Current: <120mA
- GSM Transmission Power: 2W
- GSM Frequency: 850/900/1800/1900MHz (Fit for all of the world)
- Back-up Battery: NI-HI 800MA/H, DC3.7V, Standby: >9 hours, Charging: 12 hours full
- Receiving Distance: >100m(open)
- Transmission Distance: >100m(open)
- Working Condition: Temperature: -10°C ~ 70°C Humidity: 5% ~ 95%

Zones' Attribute definition:

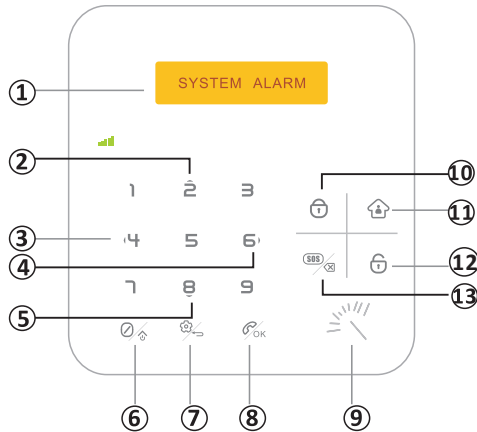
Zones`Type: 1 Defend Line , 2 Defend Line, 24-Hour defend Line

1 Defend Line: Which must pass Door,window,balcony and boundary etc, which consists of Wireless Door Sensor,Wireless Motion Sensor.

2 Defend Line : Which must pass Saloon,Lobby,Apartment and Living-Room ect. Which consists of Wireless Wide-Angle Motion Sensor.

24-Hours Defend Line: 24-Hour zones, This attribute can not be modified. In arm or disarm or stay mode, oncethe sensor in these zones triggered will alarm immediately,But not drive Siren.Which Consists of SOS Button,Wireless Gas Alarm,Wireless Smoke Alarm.

Font Panel View



① LCD Display

② UP

③ Left

④ Right

⑤ Down

⑥ Control home appliances

⑦ Set/Exit

⑧ Call/# Confirm

⑨ FRID

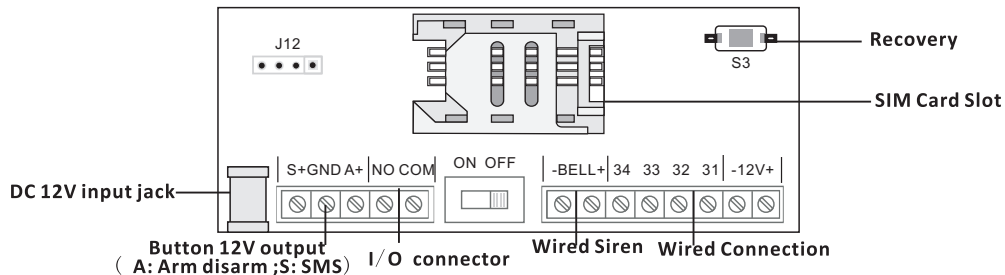
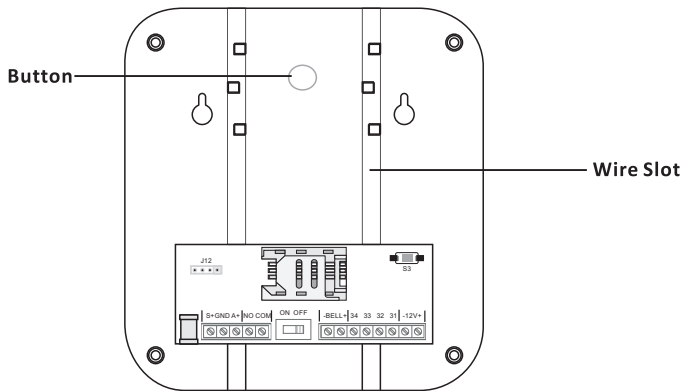
⑩ Away Arm

⑪ Home/Stay Arm

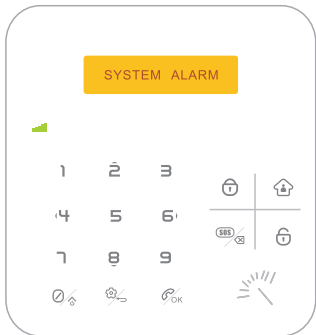
⑫ Disarm

⑬ SOS/Delete


Back panel View




Arm/Disarm System



Activate Away Arm

In keypad, push  to activate Away Arm.
Remotely via SMS, send SMS content: xxxx1
Remotely via phone, make phone call to alarm system, after pick up, input xxxx#, you will hear "di" sound, press 1 to activate the Away Arm.

Activate Stay Arm

In keypad, push  to activate the Stay Arm
Remotely via phone, make phone call to alarm system, after pick up, input xxxx#, you will hear "di" sound, press 2 to active the Stay Arm

Disarm

In keypad, push  then, input xxxx+OK
Remotely via SMS, send SMS content: xxxx0
Remotely via phone, make phone call to alarm system, after pick up, input xxxx#, you will hear "di" sound, press 3 to disarm.

Notice

"xxxx" is the current user code, default user code is "1111", and default admin/installer code is "1234"
The system is working with separate wireless LCD/LED keypads, for activate and deactivate operation, please refer to manual of wireless keypad.

Basic Alarm Setting

Enter into Setting Status

When system is in Disarm status, push  then input admin code, default "1234", touch "OK" for confirm, to enter into setting status.

System Time setting

When system is setting status, choose the "Time Setting" for modifying the current time. The time will automatically back to default, once the alarm system is complete OFF.

Time Setting
Phone No. Setting

Time Setting
04:54:08

Time Setting
09/11/2013

Time Setting
THU

Push "OK" to select and "✕" to delete the default date, then enter with new time (XX hours, XX minute, XX second). Do same procedure for date.(XXDate,XXMonth,XXYear)

Push "OK" and "◀▶" select the week, touch "OK" to confirm all settings.

Alarm Receiving Phone Number

This alarm system can totally preset up to 5 personal emergency phone numbers for alarm receiving.

Time Setting
Phone No. Setting

Phone Groups 1
Alarm Call >

Phone Groups 1
13800138000

Push "◀▶" to select the Alarm Call or Alarm SMS, then push "OK", you can input the number. 1st and 2nd group for setting Alarm SMS, 3rd group for setting Alarm SMS or Alarm Call, 4th&5th groups for setting Alarm Call.

Basic Alarm Setting

Push "✕" you can delete the existing phone number.

You need touch "OK" to save, and navigate into next phone number setting menu.

Notice: Maximum digitals for phone number input is 15.

SMS Number for System Status

The alarm system can preset one phone number for receiving SMS report of system's status, including AC power recover, Arm/Disarm, Host Low Voltage, Sensor Low Voltage.

SMS Setting Record	SMS Phone No. 13800138000	AC Power Recover OFF >	Arm/Disarm SMS OFF >
Host Low Volt OFF >	Sensor Low Volt OFF >		

Push "✕" to delete exist phone number, enter new mobile phone number. Touch "OK" to save the phone number, it will navigate to event report selection.

Touch "◀▶" to select enabled or disable the event report.

AC power recover means when external electricity is recover, the alarm system will send SMS.

Arm/Disarm SMS means when alarm system is Armed or Disarmed, the system will send SMS.

Host Low Volt means when backup battery is low, the system will send SMS.

Sensor Low Volt means when batteries run out in wireless sensors, it will send SMS.

Basic Alarm Setting

Record Voice Memo

The system allows user to record up to 10 seconds voice memo. When alarm phone call is picked up, press "5" to listen the voice memo.

SMS Setting
Record

Record
OFF >

Recording Time
10

Push "◀▶" to choose "On" to record voice, and push "OK" to start voice recording.

Arm Delay/Exit Delay

The Arm delay or exit delay can allow user to exit protected area before system is Armed. The time is adjustable from 00 to 59 seconds.

Arm Delay
Alarm Delay

Arm Delay
10

Push "✕" to delete default data, and enter new time. push "OK" to save.

Alarm Delay/Entry Delay

The alarm delay or entry delay can allow user to set alarm delay zones before system set alarm off. This allows user to enter into specific detection area to disarm the system without triggering alarm.

Basic Alarm Setting

Arm Delay
Alarm Delay

Alarm Delay
10

Push  " to delete exist data, and input new seconds e.g 10. It accept time between 00 - 59. push "  " to save.

Notice: You need go to [Zone attribute] to enable which zones are belong to this function, therefore it can work.

Siren Setting







It allows siren time setting for each of zones. The siren time can be set from 00-59 minutes. User can choose whether use built-in siren or not. The function is useful, if user want to choose mute alarm.

Siren Setting
Tone Setting

Zone No.
00

Siren Time
01

Built-in Siren
On >

Push "  " to delete the zone number, and input new zone number from 00-34. Touch "  " to save
Push "  " to delete the siren time, and input new siren time, "00" means disable. Default value is 01
Push "   " to choose "On" to enable built-in siren, and touch "  " to save.

Basic Alarm Setting

Tone Setting

Tone setting means the alarm system will make "beep" sound, when detects system event, such as telephone line cut, Arm/Disarm, Temperature Alert.

Siren Setting
Tone Setting

Arm/Disarm Tone
Off >

Arm/Disarm Beep
Off >

Push "◀▶" to choose "On", and push "OK" to save

Call in Setting

The system can receive the phone call via GSM. It allow user to set the ring times from 1 to 9. When the ring time reach to preset times, it will pick up the phone call for remotely control

Call in Setting
Program&Delete

GSM Call in Tone
3

Push "✕" to delete exist data, It accpets ring time between 1-9. push "OK" to save.

Program&Delete

Use this function to program/delete wireless sensors and accessories (remote keyfob, wireless LED/LCD keypad). The wireless zone number is from 00-30. Zone 00 is for programming wireless remote keyfob or keypads.


Basic Alarm Setting


Call in Setting
Program&Delete

Zone No.
00

Program
Delete

Success

Push "  " to delete the zone number, and input new zone number from 00-30 and push "OK". push "▲▼" to choose [program], then push "OK", the LCD will display [Programming]. Trigger the wireless sensors/accessories for two times, the LCD display [Success], push "OK" to save, you can continue to enroll more sensors.

Push "  " to delete the zone number, and input new zone number from 00-30 and push "OK". push "▲▼" to choosedelate, the LCD will display [Success], push "OK" to save. This will erase the current sensors in the zone from the alarm system.

Zone Attribute

The system has advanced zone attribute, it allow user to choose each of attribute for the zones, it helps user to customize the system, which can be more suitable for specific installation. Ensuring the zones with correct attribute, therefore sensors can work properly.

Zone Attribute
Upload

Zone No.
01

Activate >
0 Defence Line >

00Help >
Alarm Delay Off >

Zone Chime Off >
Smart Sensor Off >

Basic Alarm Setting

Push "⊗" to delete the zone number, and input new zone number from 00-30. push "OK" navigate to next menu. push "OK" you will navigate to last level menu.

Bypass Sensor: push "◀▶" to choose "Disable" to deactivate/bypass this zone.

Zone type: push "▲▼" to choose defense line, push "◀▶" to change the value from including 0, 1, 2.

Sensor type: push "▲▼" to choose sensor type, push "◀▶" to change the sensor type.

Alarm Delay: push "▲▼" to choose alarm delay off, push "◀▶" to enable or disable the alarm delay.

Zone Chime: push "▲▼" to choose zone chime off, push "◀▶" to enable or disable this function.

Smart Sensor Off: push "▲▼" to choose smart sensor off, push "◀▶" to enable or disable this function.

Notice:

[0 Defense line] means fire, panic alarms, which are belong to 24 hours emergency zone. It will trigger the alarm system, even the system in disarm status.

[1 Defense line] means perimeter protection, which is belong to perimeter zone. It will work when alarm system in both Away Arm and Home Arm modes.

[2 Defense line] means interior protection, which is belong to motion zone. The sensors in this zone will be activated when system is in Away Arm mode, but will be de-activated, when system in Home Arm/Stay Arm mode.

Default Zone Type

Zone Number	Zone Type	Sensor Type	Sensors
00	N/A	Wireless Remote Keyfob	Maximum 10 pcs
01~10	Emergency Zone	Wireless Sensors	Panic, Smoke, Gas Leak
11~20	Perimeter Zone		Door sensor, IR beam
21~30	Motion Zone		PIR motion sensor
31~34	Hardwired Zone	Hardwired Sensors	
35~38	FRID Zone	FRID	

Basic Alarm Setting



Default zone number for sensor and keyfob for standard alarm kit

Wireless Remote	Wireless Door Sensor	Wireless PIR motion	Wireless Smoke
00	11	21	02

Upload

The system can either be used as self-monitoring system or monitored by security company. It's compatible with ADEMCO Contact ID protocol for alarm monitoring. If you want to link the alarm system into alarm monitoring centre, you need to do this operation. More over, the system can not only upload alarm information, also can upload system's status to central monitoring station.

Zone Attribute Upload	Center Phone No. 911	User Code 0001	Upload Status Off >
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Push "  " to delete exist number, and input new alarm monitoring centre number. push " OK " to save, then navigate to next level menu, push "  " to delete default user code, and input your user code, push " OK " to save, then navigate to next level menu, touch "▲▼" to choose disable or enable upload status, push " OK " to save, navigate to next status selection menu.

AC Fail Upload Off >	Host Low Volt Off >	Sensor Low Volt Off >	Manual Test Off >
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Period Test 00000

Basic Alarm Setting

User Code

Navigate to this menu, user can modify the user code. The user code with authorization for Arm/Disarm the system via keypad, SMS, phone call, mobile applications (APP). The default user code is "1111".

Password Setting
Pin Setting

Password Setting
####

Admin Code

Navigate to this menu, user can modify the admin code. The admin code with authorization for programming the system. The default admin code is "1234"

Password Setting
Pin Setting

Pin Setting
####

Reset

Navigate to this menu, user can reset the alarm system. The system will reset to factory status. If user have done wrong programming, can not be solved, then you can use reset function. It will erase all the user's programming data.

Reset
Auto Arm/Disarm


Reset
Off >

Auto Arm/Disarm

This function can make the alarm system automatically Arm/Disarm in preset time for everyday.

Reset
Auto Arm/Disarm

SUN
--:-- Away Arm

push " " to delete the default time, and input new time e.g: 1200, push "OK" to save and next time setting, it will navigate next day for auto arm/disarm setting.

Notice:

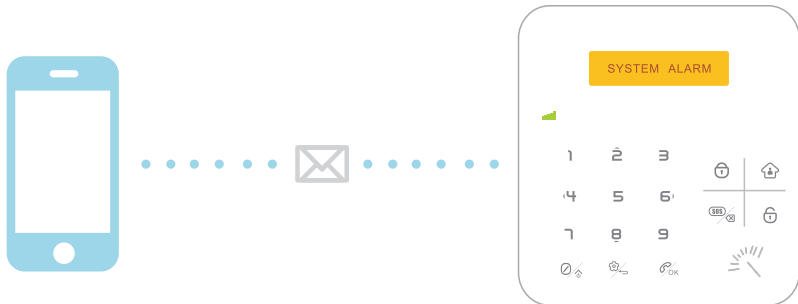
The time format should be 12:00, hours then minutes. Wrong time input can not be saved.

How to use 12V relay output

The User arm the host by remote controller or host keyfob, the host also turn on 12V output at the same time; When Disarm, also turn off 12V output simultaneously. This function is convenient to allow user to corresponding appliances (A Wire ports).

The user also use the function by SMS under disarm, send 1234+G11 message to alarm, meaning turn on 12V relay. if sending 1234+G10 message to alarm, means turn off 12V relay(S Wire ports)

appliances must be 12V Voltage





How to use Intelligent home appliances



when user is in the office, on the shopping malls or outside, who wants to turn on the light and other corresponding appliances at home, the host can achieve what you want by remote SMS. When user is at home who can operate the function by SMS or by host keyfob. The host which is with 8 wireless switch control function. Operation method is



Remarks: The function must match with wireless socket







SMS command :



user Password+P11 means turn on No. 1 switch ; user Password+P10 means turn off No. 1 switch (Press host keyfob  +11 turn on  +10 turn off)



user Password+P21 means turn on No. 2 switch ; user Password+P20 means turn off No. 2 switch (Press host keyfob  +21 turn on  +20 turn off)



user Password+P31 means turn on No. 3 switch ; user Password+P30 means turn off No. 3 switch (Press host keyfob  +31 turn on  +30 turn off)

user Password+P41 means turn on No. 4 switch ; user Password+P40 means turn off No. 4 switch (Press host keyfob  +41 turn on  +40 turn off)

user Password+P51 means turn on No. 5 switch ; user Password+P50 means turn off No. 5 switch (Press host keyfob  +51 turn on  +50 turn off)

user Password+P61 means turn on No. 6 switch ; user Password+P60 means turn off No. 6 switch (Press host keyfob  +61 turn on  +60 turn off)

user Password+P71 means turn on No. 7 switch ; user Password+P70 means turn off No. 7 switch (Press host keyfob  +71 turn on  +70 turn off)

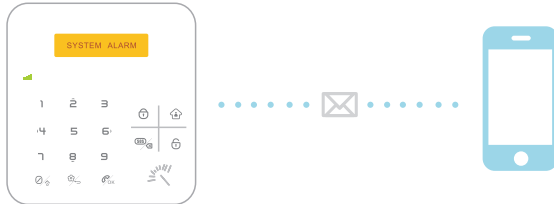
user Password+P81 means turn on No. 8 switch ; user Password+P80 means turn off No. 8 switch (Press host keyfob  +81 turn on  +80 turn off)

Alarm Handle for User

Receiving Alarm SMS

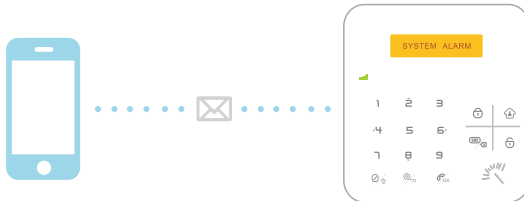
Once an alarm occurs, the system will send SMS as long as user choose for alarm SMS notification. The system will send SMS with below content

(0001)Alarm System: 11 Zone Door Sensor Alarming



Inquiry System's Status

The system allow user to inquiry the system's status, send "User code + C" text message to alarm system, alarm will reply text message inform you whether it's Armed or Disarmed



Alarm Handle for User

Receiving Alarm Phone Call

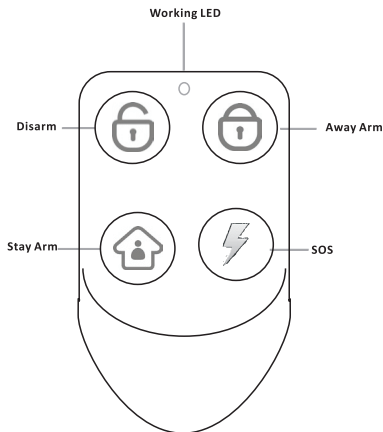
Once an alarm occurs, the system will make phone call as long as user choose for alarm call notification. The alarm systems support remotely control via phone call, including Away Arm/Stay Arm/Disarm, Onsite voice monitoring, listen voice message, talk back, two-way intercom, recording memo.



When pickup alarm phone call, you will hear the siren sound, after the replay, you can:

- Press "1" on the phone to Away Arm (It will hang up immediately, system will be Away Armed)
- Press "2" on the phone to Stay Arm (It will hang up immediately, system will be Stay Armed)
- Press "3" on the phone to Disarm (It will hang up immediately, system will be Disarmed)
- Press "4" on the phone to listen onsite voice (It will hang up, after 20 seconds delay)
- Press "5" on the phone to listen voice memo
- Press "6" on the phone to talk back (fixed phone number doesn't support this function)
- Press "8" on the phone to begin two-way intercom (except fixed phone number)
- Press "*" on the phone for alarm confirmation, it will hang up, stop to dial phone call

How to Use Wireless Keyfob



Arm/Disarm/SOS

Away Arm the system by press:



Stay Arm the system by press:



Disarm the system by press:



Trigger SOS alarm by press:



Program&Delete

Go to [Program&Delete] for programming wireless remote keyfob, program keyfobs in sequence into zone 00

Call in Setting
Program&Delete

Zone No.
00

Push "◀▶" to choose "Program", then push "OK" to confirm, the LCD will display [Programming]
Now press the "🔒" button for two times, the LCD will display [Success], then touch "OK" to save.

Call in Setting
Program&Delete

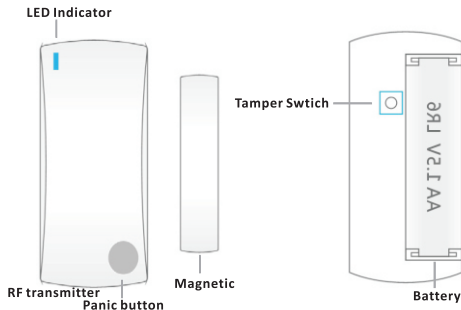
Zone No.
00

Push "◀▶" to choose "Delete", then push "OK" to confirm, the LCD will display [Success], then to push "OK" to save.

How to Use Wireless Door Sensor

Introduction

Wireless door sensors or entry point sensors are the most reliable intrusion detection device for perimeter protection. The door sensor is adopting reed switch theory, it consists of wireless transmitter and magnetic two parts. When two parts separate maximum 1cm, the sensor will send alarm signal to alarm system.



Notice:

The door sensor in the package may differ from manual.

Program&Delete

Go to [Program&Delete] for programming wireless remote keyfob, program keyfob in sequence into zone 11~20

Push "◀▶" to choose "Program", then push "OK" to confirm, the LCD will display [Programming]

Now separate door sensor for two times, the LCD will display [Success], then push "OK" to save.

Call in Setting
Program&Delete

Zone No.

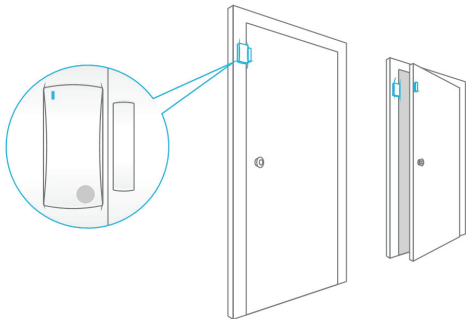
11

Push "◀▶" to choose "Delete", then push "OK" to confirm, the LCD will display [Success], then push "OK" to save.

How to Use Wireless Door Sensor

Installation

- Remove the insulating protect on battery.
- Mount the transmitter on the door frame and the magnet on the door
- Make sure that the magnet is always on the right side of the transmitter.
- Make sure that the magnet will not be more than 1 cm from the transmitter.
- Attach the transmitter and the magnet with double-sided tape or the screw.
- Avoid placing the detector in areas with large-metallic structures or electrical installations such as boiler area or counters



Technical Information

- Working voltage: 1.5V LR6
- Static current: $\leq 30 \mu A$
- Alarm current: $\leq 40mA$
- Emitting frequency: 433MHz /(868MHz optional)
- Transmission distance: $\leq 100 m$ (Open space)
- Lifespan of battery: ≤ 12 months

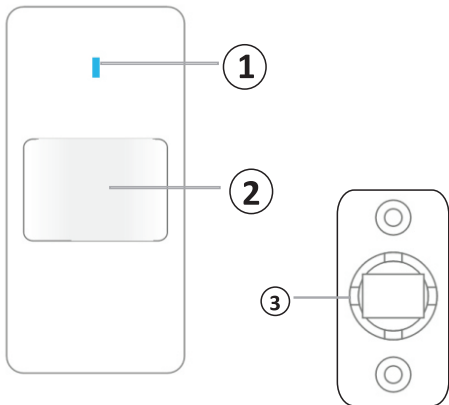
Notice:

The door sensor in the package may differ from manual. The specification will change, when use different model of wireless door sensors.

How to Use Wireless PIR Sensor

Introduction

PIR motion sensor is one of common intrusion sensor for intrusion detection. It with advantages of large space protection, lowest energy consumption. It detects infrared energy changes which is caused by movement of human.



1. Wide angle fresnel lens
2. Alarm LED Indicator
3. Swivel Bracket

Program&Delete

Go to [Program&Delete] for programming wireless remote keyfob, program keyfob in sequence into zone 21~30

Push "◀▶" to choose "Program" , then touch "OK" to confirm, the LCD will display [Programming]

Now triggering PIR sensor for two times, the LCD will display [Success], then push "OK" to save.

Call in Setting
Program&Delete

Zone NO.
21

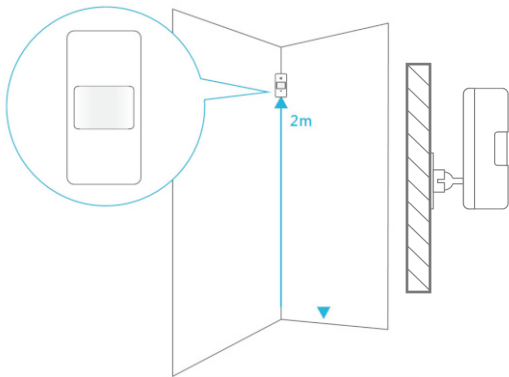
Push "◀▶" to choose "Delete" , then push "OK" to confirm, the LCD will display [Success], then push "OK" to save.

How to Use Wireless PIR Sensor

Installation

Due to the wide coverage angle and the swivel bracket, the motion sensor can easily be installed:

- Indoor environment only!
- Wall mounted on the wall and sensor points to entry point of doors
- Wall mounted on corridor to detect movement



Technical Information

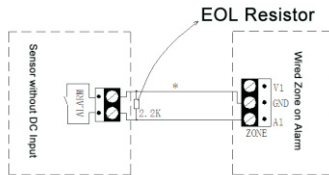
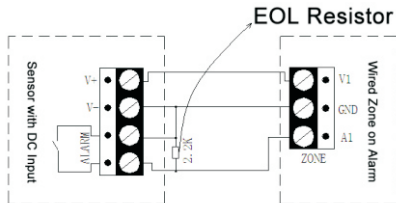
- Working voltage: 2x1.5V LR6
- Static current: $\leq 50 \mu A$
- Alarm current: $\leq 9.5mA$
- Detection angle: $\leq 110^\circ$
- Detection distance: $\leq 12 m$
- Emitting frequency: 433MHz /(868MHz optional)
- Transmission distance: $\leq 100 m$ (Open space)
- Lifespan of battery: ≤ 12 months

Notice:

The PIR sensor in the package may differ from manual. The specification will change, when use different model of wireless PIR sensor.

Hardwired Zone Connection

Hardwired Zone Connection



Notice:

Hardwired zone number from 31~34. All hardwired zones are disabled/de-activated. If you want to use the hardwired zones, you need go to [Zone attribute] to enable them.

EOL resistor must be connected to hardwired sensor for zone protection, it can make hardwired sensors work properly.

Maintenance and Care

This alarm system is a Hi-Tech product with outstanding design and sophisticated technology, and shall be carefully.

- To make the alarm to operate for a long term stably and to prolong the service life, it's recommended that:
- Try to put the alarm panel in a dry and well-ventilated location
- Do not put the alarm panel and any wireless sensors in too cold, too hot or dusty places to prevent it • from curtailing the service lives of electric parts and preventing the plastic shell from distorting.
- Do not put the alarm panel and any wireless sensors in low and too exposed places to prevent children from touching them or the thieves from finding them
- Regular testing is necessary for finding and resolving problems in time.
- Regularly check the batteries in all wireless sensors. To ensure normal operations of the system, replace with new batteries whenever you feel a sensor is not detecting properly.

