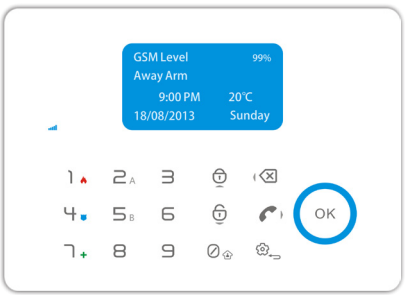
INSTRUCTION MANUAL



GSM - PSTN - SMS - TOUCH
GSM Wireless Security Alarm System

SECURE YOUR HOME AND BUSINESS

Printed in Shenzhen
RE: G60-GSM-August-2013

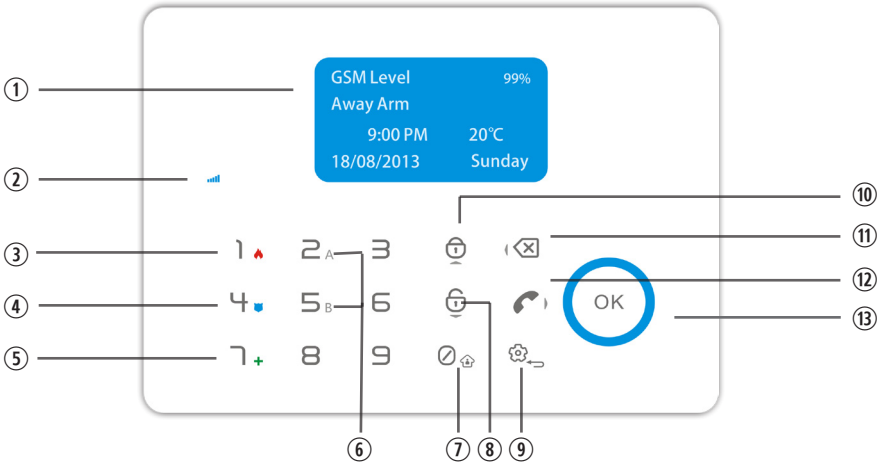
Key Features

- Smart touch keypad with 4 line message LCD display
- Quad-band GSM communication, works with SIM card
- Calender, 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
- Alarm communication via ADEMCO Contact ID protocol
- Backup rechargeable battery, last more than 24 hours
- Work with CCTV system, IP camera

Technical Information

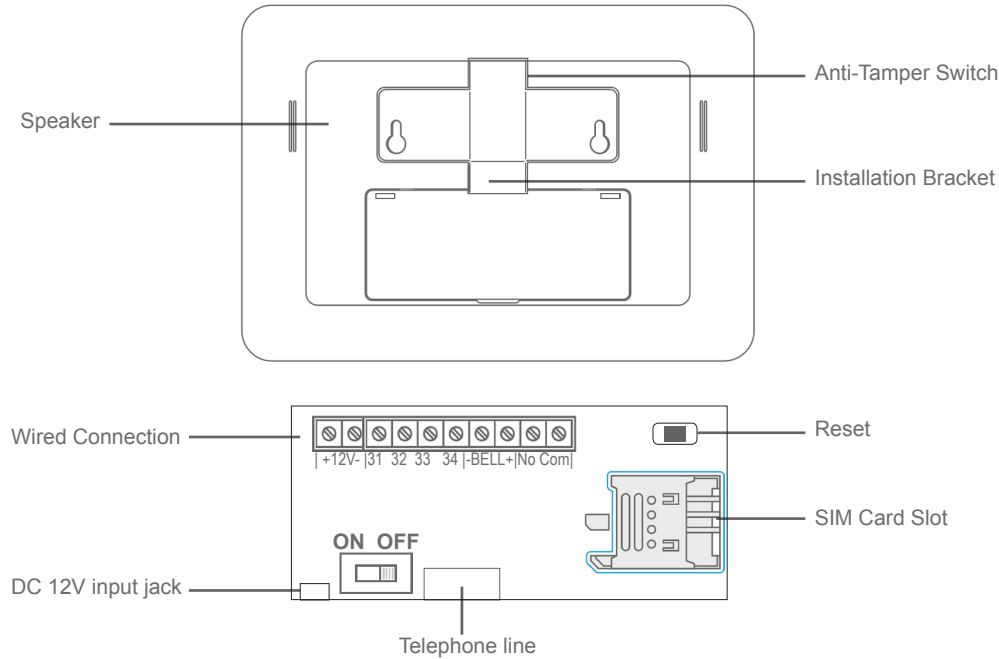
- Power supply: AC=100 ~ 230V 50Hz/60Hz
- Working voltage: DC12V 1A
- Static current: < 35mA (when not in charging)
- Alarm current: < 120mA
- Backup Battery: 3.7V 800mA
- Standby time: Around 24 hours
- Charging time: 8 hours
- GSM frequency: 850/900/1800/1900MHz
- GSM Transmission power: 2W
- Receiving and emitting frequency: 433MHz (868MHz optional)
- Wireless transmission distance: ≤100 m (Open space)
- Working condition:Temperature: -10ºC ~ 50ºC Humidity:5% ~ 80%

Font panel View

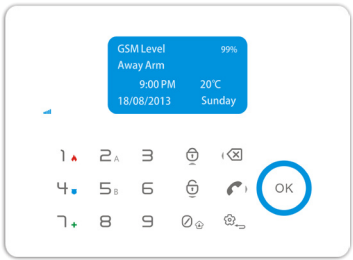


① LCD Display
② GSM Signal LED
③ Fire Alarm
④ Burglary
⑤ Medical Help
⑥ SpeedDial Button
⑦ Home/Stay Arm
⑧ Down/Disarm
⑨ SET/Exit
⑩ Up/Away Arm
⑪ Left/Delete/Log/*
⑫ Right/Phone Call/#
⑬ Confirm/Save

Back panel View



Arm/Disarm System



Activate Away Arm

In keypad, touch 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, touch 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, touch 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/ LCD keypads, for activate and deactive operation, please refer to manual of wireless keypad.

Voice Memo/Phone Call

Quick Alarm

Touch for 2 seconds to trigger fire alarm.
Touch for 2 seconds to trigger burglary alarm.
Touch for 2 seconds to trigger medical help.

Recording Voice Memo

When system is in Disarm status, touch

for 2 seconds for recording memo.
Maxim recording time is 10 seconds.

Playback Voice Memo

When system is in Disarm status, touch

the system will playback the voice memo.

Check System Log

The system can record 100 pieces event log, you can touch

to check these log, when system is not in setup status.

Make Phone Call

When alarm system in disarm status, you can make phone call via alarm panel. Touch then input the phone number, touch

to make phone call.
The function enables alarm system can be used as a portable cell phone.

Pick up Phone Call

If there is a phone call to alarm system, the confirm circle's LED will light up, and you can touch

to pickup phone call.

Speed Dial Function

When touch " A" or "B" key on the keypad, the alarm system will make the speed dial phone call with preset phone numbers (eg: the person that needs to be notified in case of an emergency, a carer, Mum or Dad).

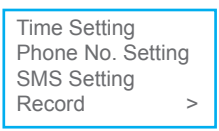
Basic Alarm Setting

Enter into Setting Status

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

System Time setting

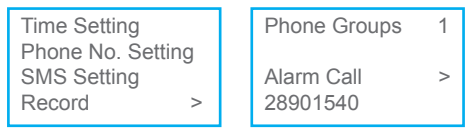
When system is setting status, choose the "Time Setting" for modifing the current time. The time will automatically back to default, once the alarm system is complete OFF.



Touch " ▲▼ " to select and " X " to delete the default date, then enter with new time (XX hours, XX minute, XX second). Do same procedure for date.
Touch " ▼ " 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.



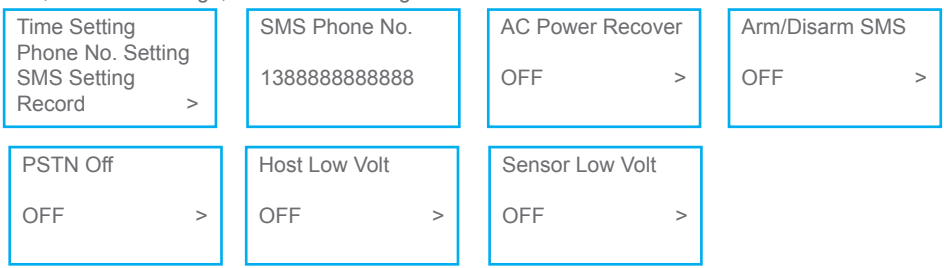
Touch " ◄► " to select the Alarm Call or Alarm SMS, then touch " ▼ " , you can input the number. 1st and 2nd group for setting Alarm SMS, 3rd group for setting Alarm SMS or Alarm Call, 4th&5th groups for setting Alarm Call.
Touch " X " you can delete the existing phone number.
You need touch "OK" to save, and navigate into next phone number setting menu.

Notice: Maximum digitals for phone number input is 15.

Basic Alarm Setting

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, PSTN OFF, Host Low Voltage, Sensor Low Voltage.



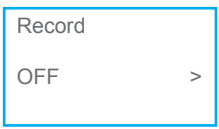
Touch " X " to delete exist phone number, enter new mobile phone number. Touch " OK" to save the phone number, it will navigate to event report selection.
Touch "◄►" to select enabled or disable the event report.

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.
PSTN Off means when fixed phone line is cut or with trouble, the system will send SMS.
Host Low Volt means when backup battery is low, the system will send SMS.
Sensor Low Volt means when battteries run out in wireless sensors, it will send SMS.

Advanced Alarm Setting

Record Voice Memo

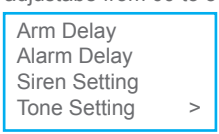
The system allows user to record up to 10 seconds voice memo. When alarm phone call is picked up, press "5" to listen the voice memo.



Touch "◄►" to choose "On" to record voice, and touch "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 adjustabe from 00 to 59 seconds.



Touch "X" to delete default data, and enter new time. Touch "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 allow user enter into specific detection area to disarm the system without triggering alarm.

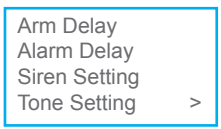
Touch "X" to delete exist data, and input new seconds e.g 10. It accpet time between 00 - 59. Touch "OK" to save.

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

Advanced Alarm Setting

Siren Setting

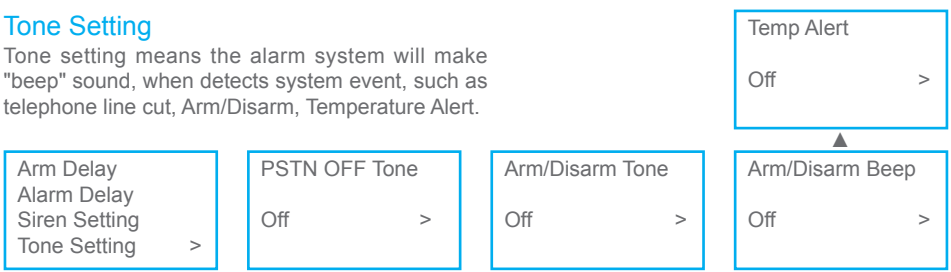
It allows siren time setting for each of zones. The siren time can be set from 00-59 minutes. User can choose whether use built-in siren or not. The function is useful, if user want to choose mute alarm.



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

Tone Setting

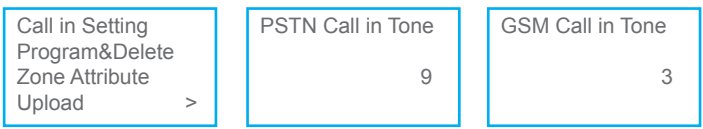
Tone setting means the alarm system will make "beep" sound, when detects system event, such as telephone line cut, Arm/Disarm, Temperature Alert.



Call in Setting

Call in Setting

The system can receive the phone call via telephone line and 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.



Touch "X" to delete exist data, It accpets ring time between1-9. Touch "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.

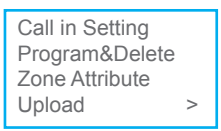
Zone Programming

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

Touch "X" to delete the zone number, and input new zone number from 00-30. Touch "▲▼" to choose delete, the LCD will display [Success], touch "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.



Touch "X" to delete the zone number, and input new zone number from 00-30. Touch "OK" navigate to next menu. Touch "OK" you will navigate to last level menu.
Bypass Sensor: Touch ""◄►" to choose "Disable" to deactivate/bypass this zone.
Zone type: Touch "▲▼" to choose defense line, touch "◄►" to change the value from including 0, 1, 2.
Sensor type: Touch "▲▼" to choose sensor type, touch "◄►" to change the sensor type.
Alarm Delay: Touch "▲▼" to choose alarm delay off, touch "◄►" to enable or disable the alarm delay.
Zone Chime: Touch "▲▼" to choose zone chime off, touch "◄►" to enable or disable this function.

Zone Attribute

Smart Sensor Off: Touch "▲▼" to choose smart sensor off, touch "◄►" 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	

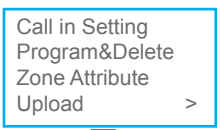
Default zone number for sensor and keyfob for standard alarm kit

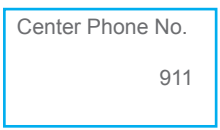
Wireless Remote	Wireless Door Sensor	Wireless PIR motion	Wireless Smoke
00	12	21	02

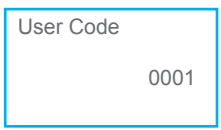
Monitored Alarm Setting

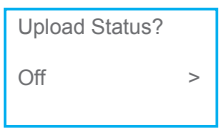
Upload

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.

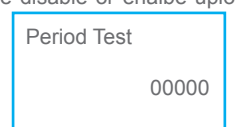


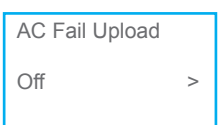


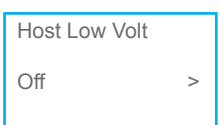


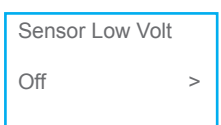


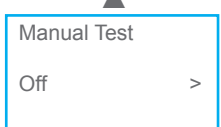
Touch " X " to delete exist number, and input new alarm monitoring centre number. Touch "OK" to save, then navigate to next level menu, touch " X " to delete default user code, and input your user code, touch "OK" to save, then navigate to next level menu, touch "▲▼" to choose disable or enalbe upload status, touch "OK" to save, navigate to next status selection menu.







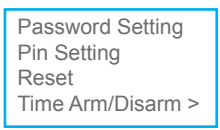


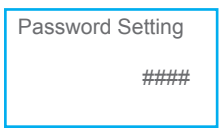


User/Admin Code Setting

User Code

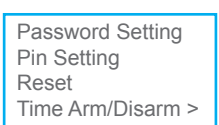
Navigate to this menu, user can modify the user code. The user code with authorization for Arm/Disarm the system via keypad, SMS, phone call, mobile applications (APP). The default user code is "1111".

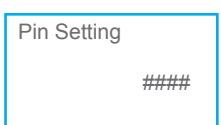




Admin Code

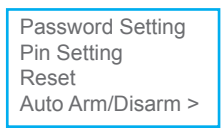
Navigate to this menu, user can modify the admin code. The admin code with authorization for programming the system. The default admin code is "1234".

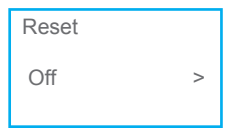




Reset

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.





Touch "◄►" to choose "On" , then touch "OK" to reset the alarm system.

Auto Arm/Disarm

Auto Arm/Disarm

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

Password Setting Pin Setting Reset Auto Arm/Disarm >	SUN --:-- Away Arm --:-- Stay Arm --:-- Disarm	MON --:-- Away Arm --:-- Stay Arm --:-- Disarm

Touch " " to delete the default time, and input new time e.g: 1200, touch "▲▼" navigate to next time setting, touch "OK" to save, 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.

Temperature Control

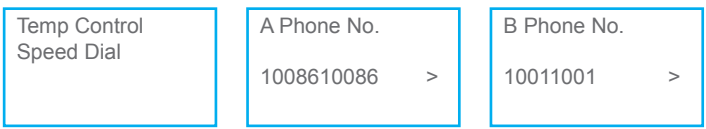
This system is built-in temperature sensor for monitoring onsite temperature. You can set the upper limit and lower limit to make temperature alert (NC. dry contract output).The temperature range can be from 00° ~ 70° . If you enabled SMS notification, then it will send the text message alert. If choose output OFF, then the dry contract will be used as alarm output.

Temp Control Speed Dial	Temp Upper limit 32 Output On >	Temp Lower limit 15 Output Off >

Speed Dial Phone Call

Speed Dial

There are two special buttons on the keypad, they are "A, B". User can preset phone number for this two buttons. When system is in Disarm status, the user can touch "A" or "B" for making speed dial phone call. The phone number can be the person that needs to be notified in case of an emergency, a carer, Mum or Dad.



Notice:

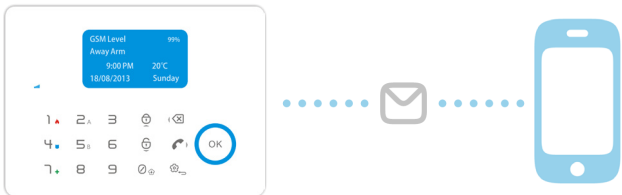
After finish the setting, you can touch to exit setting status. The system will automactially exit setting status, when without any operation on keypad.

Alarm Handle for User

Receiving Alarm SMS

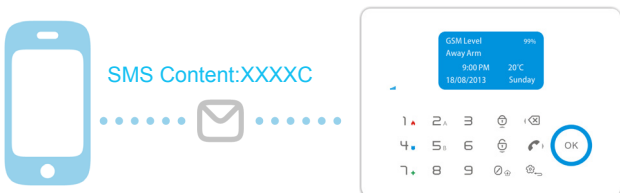
Once an alarm occurs, the system will send SMS as long as user choose for alarm SMS notification. The system will send SMS with below content:

(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

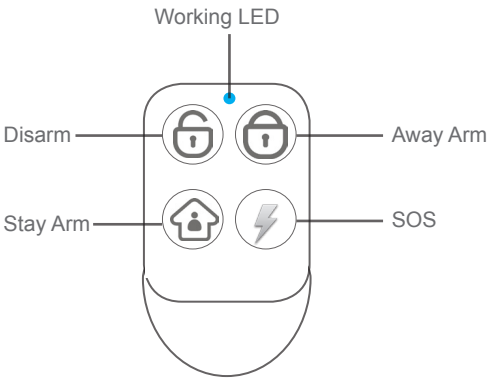
Receiving Alarm Phone Call

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 meno.

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 "7" on the phone to record voice memo (Maximum 10 seconds, except fixed phone number)
- 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 Attribute
Upload >

Zone No. 00
Program
Delete

Touch "◄►" to choose "Program" , then touch "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.

Zone No. 00
Program
Delete

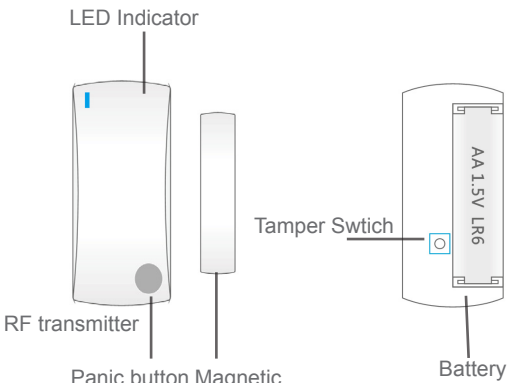
Zone No. 00
Success
Delete

Touch "◄►" to choose "Delete" , then touch "OK" to confirm, the LCD will display [Success], then touch "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 sperate 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

Touch "◄►" to choose "Program" , then touch "OK" to confirm, the LCD will display [Programming]
Now separate door sensor for two times, the LCD will display [Success], then touch "OK" to save.

Zone No. 11
Program
Delete

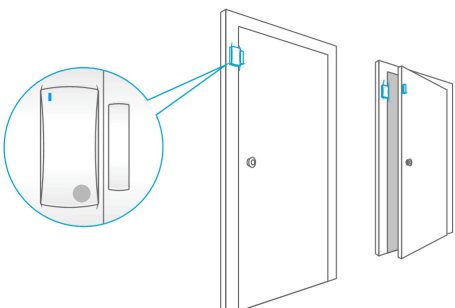
Zone No. 11
Success
Delete

Touch "◄►" to choose "Delete" , then touch "OK" to confirm, the LCD will display [Success], then touch "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

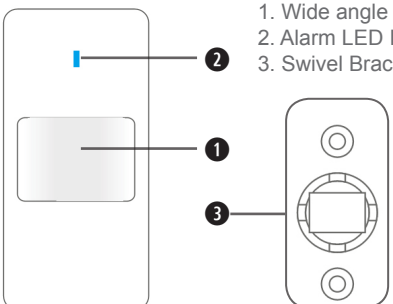
• Working voltage: 1.5V LR6
• Static current: ≤30 μA
• Alarm current: ≤40mA
• Emitting frequency: 433MHz /(868MHz optional)
• Transmission distance:≤100 m (Open space)
• Lifespan of battery: ≤ 12 months

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 instruction 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

Touch "◄►" 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 touch "OK" to save.

Zone No. 21	Zone No. 21
Program	Success
Delete	Delete

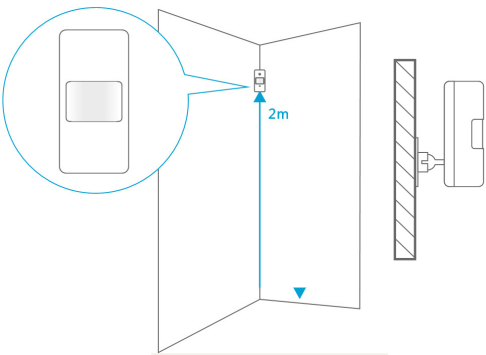
Touch "◄►" to choose "Delete" , then touch "OK" to confirm, the LCD will display [Success], then touch "OK" to save.

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: ≤50 μA
- Alarm current: ≤9.5mA
- Detection angle: ≤ 110°
- Detection distance: ≤ 12 m
- Emitting frequency: 433MHz /(868MHz optional)
- Transmission distance:≤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.

Appendix

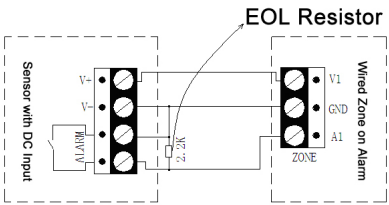
Zone Name & CID Code

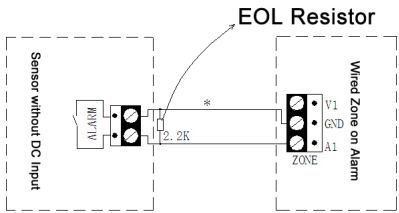
Item	Zone Name	CID Code	CID Name
00	Help/Medical Alarm	E100	Medical
01	Emergency	E121	Duress
02	Emergency	E120	Panic
03	Fire Alarm	E110	Fire
04	Smoke Alarm	E111	Smoke
05	Kitchen	E130	Burglary
06	Gas Leak Alarm	E112	Combustion
07	Tamper Alarm	E137	Tamper
08	Heat Alarm	E158	High temp
09	Perimeter Zone	E131	Perimeter
10	Door	E134	Entry/Exit
11	Front Door	E134	Entry/Exit
12	Back Door	E134	Entry/Exit
13	Side Door	E134	Entry/Exit
14	Window	E131	Perimeter
15	Glass Break	E131	Perimeter
16	Vibration	E130	Burglary
17	Motion Zone	E132	Interior
18	Garage	E130	Burglary
19	Motion	E132	Interior

Appendix

Item	Zone Name	CID Code	CID Name
20	Lobby/Family room	E130	Burglary
21	Bedroom	E130	Burglary
22	Book room	E130	Burglary
23	Other	E140	General Alarm
24	(Door Bell)	N/A	N/A

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.

"A1" means wired zone, "V1" means DC power (either from alarm panel or separate power supply)

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
- Reglar testing is necessary for finding and resolving probles in time.
- Regulary 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.

System Note: