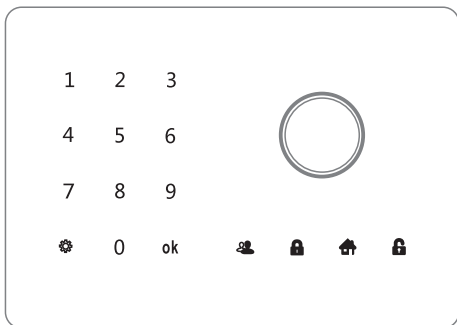


# SECURE YOUR HOME



User Guide  
Version V14.7

GSM-SMS-APP  
Smart Touch Alarm System

## Dear users,

Thanks for selecting the touch alarm system. Please read through this guide before installation so as to operate properly.

The system adopts the newest GSM network and Digital Signal Processing technology, and is widely used in security fields, such as protecting your home, store, office, factory etc. It realizes wireless alarm dealing and controlling convenient and flexible remotely, solves the limitation of wired data transmission in telephone and wired network. Perfect design and simple installation make your operation easily and comfortable.

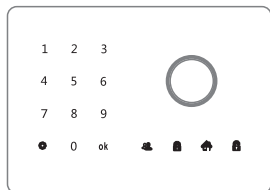
"People oriented, technology first" is our company's action rule. Customer satisfaction is our consistent pursuit. Perfect system, excellent services, sincere attitudes will bring you a new enjoyment.

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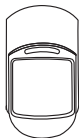
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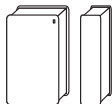
## Content of Package



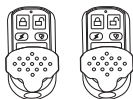
Control Panel complete with touch keypad & built-in siren, backup battery and 100-240V AC/12VDC power adapter



PIR motion sensor complete with battery



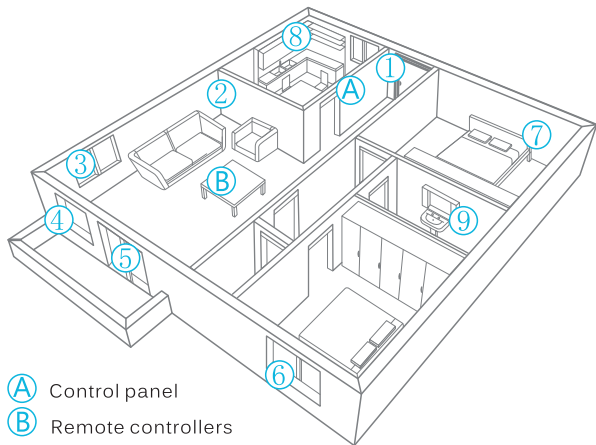
Magnetic door and window contact complete with battery



Remote controllers complete with batteries

## Alarm System Installation Position

In order to ensure an efficient and secure protection of the installation place (home or office) all weak points need to be carefully identified. Every sensor identifies an individual zone and is recognized sequentially during the programming. The names of the 24 sensors can be personalized.



- A** Control panel
- B** Remote controllers

- 1** Zone 1 sensor
- 2** Zone 2 sensor
- 3** Zone 3 sensor
- 4** Zone 4 sensor
- 5** Zone 5 sensor
- 6** Zone 6 sensor
- 7** Zone 7 sensor
- 8** Zone 8 sensor
- 9** Zone 9 sensor
- 10** Zone 10 sensor
- 11** Zone 11 sensor
- 12** Zone 12 sensor

- ⑬ Zone 13 sensor
- ⑭ Zone 14 sensor
- ⑮ Zone 15 sensor
- ⑯ Zone 16 sensor
- ⑰ Zone 17 sensor
- ⑱ Zone 18 sensor
- ⑲ Zone 19 sensor
- ⑳ Zone 20 sensor
- ㉑ Zone 21 sensor
- ㉒ Zone 22 sensor
- ㉓ Zone 23 sensor
- ㉔ Zone 24 sensor

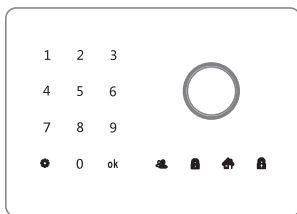
Tips:

User can D.I.Y to add or reduce sensors for the house/office as their requirements.

## I. Main Function of Control Panel

---

### 1.1 Main functions



The device is such an alarm system with GSM dialer that provides the following protection functions:

1. Enable to be controlled by iOS and Android APP.
2. ARM CPU.
3. Touch keypad on alarm panel enable to arm/disarm/home mode.
4. Learning code, 1527 (330k) encoding chip.
5. Two-way communication.
6. 24 wireless zones, 6 fire alarm zones, 14 remote controllers , 6 panic buttons, and 2 wired zones.

7. 6 languages and voice prompt (English, Russian, German, Spanish, French and Chinese).
8. 3 SMS alarm numbers and 3 alarm calls numbers.
9. Delay alarm function (0-60 seconds for optional).
10. Setup siren alert time (0-254 seconds for optional).
11. Support 99 wireless strobe siren and 2 routes home appliance control switch.
12. Control the alarm via SMS, APP and phone keypad.
13. Enable to setup home mode.
14. Record voice for 10 seconds.
15. External power failure/recovery alarm function (optional).
16. Siren prompt when arm/disarm by remote controller.
17. SMS prompt when arm/disarm by remote controller.

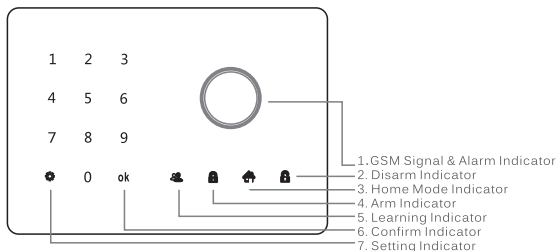
## 1.2 Specification

1. Wireless frequency: 315MHz/433MHz
2. GSM frequency: 850/900/1800/1900MHz
3. Alarm response time:  $\leq 10$ s (GSM signal in normal)
4. Power requirements  
Input: AC100- 240V 50Hz/60Hz Output: DC 12V/1A  
Working consumption:  $< 0.6$ W  
Backup battery: DC7.4V/800mAh  
Backup battery working hours:  $\geq 10$  hours
5. Working condition  
Temperature: -20~+55°C humidity:  $\leq 90\%$  (non-condensation)
6. Size: 187L\*130W\*27H mm



## II. Introduction of Control Panel: Front

---




### 1. GSM Signal & Alarm status

Normal GSM signal: ○ flashes every 2 seconds

Abnormal GSM signal: ○ flashes every second


In alarm status: ○ in red color

### 2. Disarm

Touch  to disarm the system, comes with "input password"

voice prompt , please input 1-6 digits password. (Initial password is 1234.)

### 3. Home Mode

Setup the zone that you want to set home mode, then touch 

### 4. Arm



Touch  to arm the system

### 5. Learning sensor

Touch  **light on** means system is in learning status or dialing

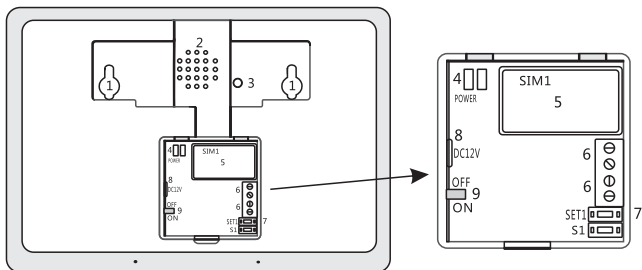
status,  **light off** means exiting learning status.

### 6. Confirm what you've setup, press **ok**

7. Setting. Press , system gets into setting status, press  again It exits setting status.

## Control Panel: Back

---

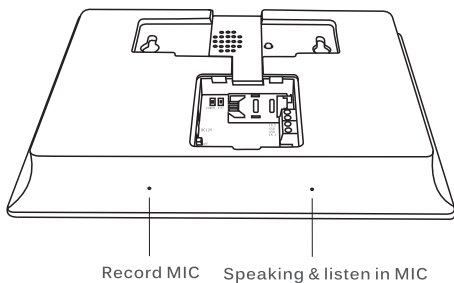


Showing as above :

1. Fixing Hole
2. Siren Hole
3. Tamper Switch
4. Power Indicator
5. SIM Socket
6. Wired Zone
7. Reset Button
8. Power Port
9. Power Switch

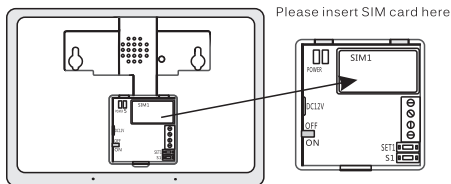
## Control Panel: Side

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## III. Installation & Operation








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### 3.1. Install SIM Card

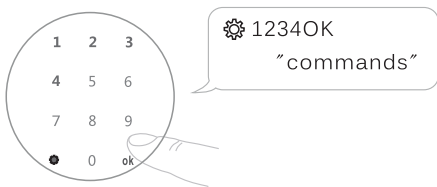
The alarm host transmits alarm messages through GSM SMS & voice platform, please prepare a SIM card before installation. (Make sure the SIM card can send SMS and make calls normally if it is a new SIM card.) Turn off the power, and insert a SIM card in a correct direction to complete the installation.

### 3.2. Operation

Please connect the power supply well, then turn on the power. The LED indicator of POWER keeps on, GSM signal indicator blinks, the ARM icon , HOME MODE icon  and DISARM icon  keep on at the same time. The host will get into initialization and GSM network searching mode, after hearing two "di di" beeps (about 25s later), it enters into normally working status. At this moment, one of the    lights on (it shows the current status of the system), GSM running indicator  blinks every 2s.


### 3.3. Enter Settings Mode

After the host get into running status, press  comes with voice prompt "Input password", input password + OK comes with "Input command" as well as "di, di" two beeps. It means the host enters into the setting status. If you hear "di, di, di" three short beeps and voice prompt of "input password", it means input wrong password, please input again.



Note:

1) The system will respond with one "di" beep sound for confirming every setup when your finger touch any digits or icon on the keypad. Press again when there's no beep respond.

2) SET button  keeps on means in setting status, the button will be off if without any operation within 15 seconds. Input password again when it exits. (Initial password is 1234)

### 3.4. Quick Exit Setting Mode

In setting mode, the system will automatically exit setting mode after 15s without any inputs on keypad.

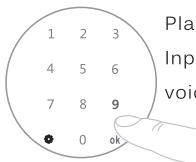
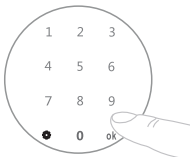
You can double press  to exit setting mode immediately.

## IV. Record/Play 10s Voice Message

---

The system can be D.I.Y to record a 10s voice message for family, it's also able to play what you've record.

In setting mode, input "0 and OK", then record a 10s voice message. Start from hearing "di" one beep and ends up with "di, di" two beeps.



Play Voice:

Input "9 + OK" on the keypad to play the recorded voice.

## V. Settings via Touch Keypad

---

### 5.1. Setup 6 Alarm Phone Numbers

The system enables to setup 3 SMS alarm numbers, 3 calls alarm numbers. When system in alarming, it will send out 3 text message and then dial 3 preset cell phone numbers by turns. The alarm sequence is from 1 to 6.

#### 1) Setup 3 SMS alarm numbers

In setting status, input " 1/2/3 +cell phone numbers +OK

For example:

Set Cell phone number 13688888888 as first SMS number

Set Cell phone number 13788888888 as second SMS number

Set cell phone number 13988888888 as third SMS number

Please setup by terns on keypad:

113688888888OK
213788888888OK
313988888888OK

We suggest you to setup first SMS No. for receiving confirmation message.

2) Setup 3 calls alarm numbers

In setting status, input " 4/5/6 +cell phone numbers +OK


413688888888OK
513788888888OK
613988888888OK

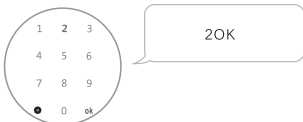
Tips:

The system will respond with "di di" two beep sounds after confirming with OK. If not, input incorrect. Please input again.

## 5.2 Delete Existed Alarm Phone Numbers

In setting status, input serial number (1/2/3/4/5/6)+ OK.

For example, you want to delete second SMS number, please touch  and input password, then







Delete alarm numbers, as following table:

1OK	4OK
2OK	5OK
3OK	6OK

Once deleting number successfully, alarm panel will send out a SMS to the first alarm number for confirmation.

### 5.3 Phone Call

In running status, press “

For example: call 13888888888, press “ 13888888888 OK”. The  LED light on when calling, and touch  again to hang up the phone. The LED lights off at the end of the call.

### 5.4 Modify Password (Initial password is 1234)

The system is able to setup master password and sub-password.

Master password: with this password, user can do all the setups for the system.

Sub-password: only for disarming through touch keypad.

In setting mode, input “71+new master password” to modify master password.

In setting mode, input “72+new sub-password” to modify sub-password.

**Tips:** the password can be any one of 1 to 6 digits. It will make two “di di” beep sounds after modify successfully.

### 5.5 Setup NO/NC Alarm Mode of Wired Zone (Initial setting is NC alarm)

- a. Set NO alarm: 80OK
- b. Set NC alarm: 81OK

### 5.6 Turn On/Off External Power Failure Alarm (Initial setting is on)

- a. Turn off power failure alarm: 82OK
- b. Turn on power failure alarm: 83OK. The system enables to send

SMS to alert user when power failure or recovery normal power supply.

### 5.7 Turn On/Off Siren Prompt When Arm/Disarm by Remote Controllers(Initial setting is off)

- a. Turn off : 84OK
- b. Turn on: 85OK

### 5.8 Turn On/Off SMS Prompt When Arm/Disarm by Remote Controller/Touch Keypad (Initial setting is off)




- a. Turn off: 86OK
- b. Turn on: 87OK

**Note:** Only when the system get into setting status, then above operation from 5.6 to 5.10 by keypad is valid. It ends up with two "di, di" beep sounds to confirm the setting successfully.

### 5.9 Learn(Add)/Delete Detectors

The system comes with 24 common wireless zones, 6 fire zones. It's able to work with 14 remote controllers and 6 panic buttons.

#### a. Learn detectors:

Touch learning icon  on keypad after system gets into setting status, input "Zone number + OK", comes with two "di, di" beep sounds, the icon **OK** flash twice, then trigger the detector. The  LED light off when learn successfully. If the system comes with 3 quick beep sounds as well as icon  flash twice, it means some



repeat sensors have been in the same zones or your operation is error, please learn again.

Remark:



"Zone number" should be two digits from 01 to 50.

Zone 01-24 is for the wireless sensors, 25-30 is for fire sensors, 31-45 is for remote controllers, 45-50 is for panic buttons.


Zone number	Accessories
01-24	Wireless sensors
25-30	Smoke/gas sensors
30-45	Remote controllers
45-50	Panic buttons

The motion sensor and door sensor inside the standard giftbox are zone 1 and zone 2. User don't need to learn again if no any changes.

#### **b. Delete Single Detector:**

Delete the detector: press **SET1** button (the button is on the back of the panel) , the  light on, and comes with "di" beep sounds, input "the zone's number of the detector +OK", when the  light off and comes with two "di di" beep sounds, it means delete successfully. For example: Input "08 OK",the sensor in zone 8 will be deleted. (Don' t need to get into setting mode.)

#### **c. One button delete all sensors**

Keep Pressing **SET1** button for 8s, until the  from light on to light off, and then alarm host will make two "di di" beep sounds, delete successfully.

## Note:

Before learning new sensors or accessories to the zone that already learned sensor, please delete the original one firstly, if not the new one will cover the original one automatically.

## VI. SMS Operation

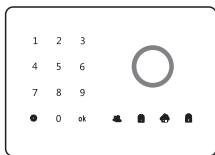
The alarm indicator will flash once when host received SMS commands.

### 6.1. Setup Phone Number by SMS

SMS Format: "Password + DD + 1st SMS alarm number, 2nd SMS alarm number, 3rd SMS alarm number, 1st calling number, 2nd calling number, 3rd calling number"

For example, set 13688888888 as the 1st SMS alarm number, 13988888888 as the 3rd calling number, then send SMS:

1234DD13688888888,,,,,13988888888



Reply:

SMS:  
1.136888888888  
2.  
3.  
TEL:  
1.  
2.  
3.139888888888

Send:

1234DD13688888888,,,,,13988888888

Remark: User can setup the 3 SMS numbers and 3 calls numbers by sending one SMS command, also can D.I.Y to setup any one or more of the phone numbers as they mind.

User should use a comma to separate each phone number, and the last number is unnecessary to add comma.

## 6.2. Delete Phone Numbers

SMS Format: Password + DD + \*,\*,\*,\*,\*

Remark: \*,\*,\*,\*,\* means relevant alarm SMS numbers and calling numbers. If need to delete 1st alarm SMS number and 3rd alarm calling number, the command should be: 1234DD\*,\*,\*,\*



1234DD\*,\*,\*,\*

## 6.3. Inquiry Set Alarm Numbers

SMS Format: Password + DD

The set numbers will be replied to the 1st alarm SMS number.

Send:



1234DD

## 6.4. Arm/Disarm

Arm: Password + A1      Disarm: Password + A2

For example: Initial password is 1234, arm remotely by sending

SMS: 1234A1

Alarm host replies with "Panel armed", the message will be sent to the 3 alarm SMS numbers.

## 6.5. Inquire Arm/Disarm Status and External Power Status

SMS Format: Password + W1

The arm/disarm status and AC Power status will be sent to the 3 alarm SMS numbers.

## 6.6 Change Zone Name

SMS Format: Password + DM + Zone No. (01 to 24) + New zone's name

Note: New zone name should be 1-31 characters, Zone No. should be 01 to 24.

For example: Initial password is 1234, set zone 06 into "Bedroom PIR alarm", then send SMS: 1234DM06Bedroom PIR alarm.



1234DM06Bedroom PIR Alarm

The new zone name will be sent to the 1st alarm SMS number once changed successfully.

## 6.7 Inquire Changed Zone No.

SMS Format: Password + DM

The changed zone No. will be sent to the 1st alarm SMS number.

## 6.8 Inquire Changed Zone Name

SMS Format: Password + DM + Zone No. (01-24)

Zone No. and changed zone name will be sent to the 1st alarm SMS number.

## 6.9 Change Installation Address

SMS Format: Password + DM + 00 + New installation address

New installation address should be within 1-31 characters.

For example: Modify installation address as Room1, 5F. Then send:1234DM00Room1, 5F.



1234DM00 Room 1,5F

## 6.10 Setup Home Mode (Initial Setting is all the zones are home mode status)

User can setup part of the zones in arm mode and the other zones in disarm mode, it's a user-friendly function for user.  
SMS Format: Password + HA + Zone No. (01-24)

Remark: It's able to setup multi zones in home mode, using comma to separate is necessary.

For example: user can setup zone 01, 02, 24 to home mode. Then send SMS:




1234HA01,02,24

The first SMS number will receive a message:



SMS:  
HA:01,02,24

That means zone 01, 02, 24 have been setup to home mode zone successfully, press  to arm.

## 6.11 Inquire Home Mode Zone

User can inquire which zone has been setup to home mode zone by SMS.

SMS Format: Password + HA

All the home mode zone No. will be sent to the first SMS number.

### 6.12 Setup Siren Alert Time (Initial Setting is 90s)

The system can setup the siren alert time 0-254s or keep alerting.

Alert time 0-254s: Password + ST + Time(0-254s)

Keeping alerting: Password+STN

Tips: Set time as 0, siren keeps silence. N means keeping alerting.

The setting time will be sent to the 1st alarm SMS number.

### 6.13 Inquire Siren Alert Time

SMS Format: Password + ST

The siren alert time will be sent to the 1st alarm SMS number.

### 6.14 Setup Delay Alarm Time (Initial is 0 second)

SMS Format: Password + DY + Time(0-60)

The time should be 0-60 seconds, and if set time as 0 second, it means no delay.

The delay time will be sent to the 1st alarm SMS number

### 6.15 Inquire Delay Alarm Time

SMS Format: Password + DY

The delay alarm time will be sent to the 1st alarm SMS number.

### 6.16 6 Languages for Optional

Chinese, English, Russian, Spanish, German, French for optional.

SMS Format: Password + LG + the No. of language(1/2/3/4/5/6)

Remark: The No. should be 1-6, 1-Chinese, 2-English, 3-Russian, 4-Spanish, 5-German, 6-French.

For example: select English, send SMS: 1234LG2

Reply:

SMS:  
Language: English

The set language will be sent to 1st alarm SMS number.

## 6.17 Inquire Current Language

SMS Format: Password + LG

Alarm host reply: "the current language"

"The current language" will be sent to the 1st alarm SMS number.

## 6.18 Modify Master Password and Sub-Password

SMS format:

"Master password+PW+New Master Password+", "+new Sub-Password"

### For example:

Initial master password and sub-password are 1234, modify master password as 8888 and sub-password as 0000, then send

SMS:

1234PW8888,0000

Reply:

SMS:

PASSWORD:

1:8888

2:0000

The system will reply with the new password to first SMS alarm No.

## 6.19 Inquiry Current Password

Send SMS: Master Password+PW

The current master password and sub-password will be sent to first SMS alarm No.

**For example:** If your current master password is 8888, and sub-password is 0000, then the send message to alarm host:

Send:

8888PW

Reply:

SMS:

PASSWORD:

1:8888

2:0000

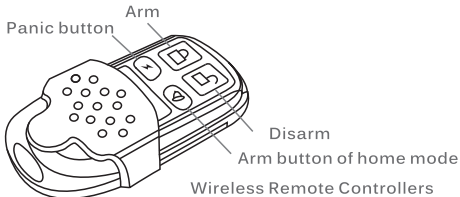
1: Master password


2: Sub-password



## VII. Usage


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### 7.1. Arm/Disarm by Remote Controller





1). Arm: Press  on remote, host will make "di" beep and "Arm" voice prompt, the Arm indicator will flash at the same time. Then host will enter into arm status in 30 seconds later, Arm indicator will keep on.

Press  + , host will make "di, di" beeps, and then enter into arm status immediately.

2). Disarm: Press , host will make "di, di" beep sounds and Disarm voice prompt, Arm indicator will be off, Disarm indicator will be on.

3). Arm button of home mode: . Press  on remote controller, host makes beep sound and comes with "home mode" voice prompt, icon  LED indicator keep flashing until the system get into arm mode after 30s, then  keep light on.

4).  + , host makes two "di di" beep sounds, and get into quick arm mode.



5). Emergency button: ⚡

When something emergency happen, press ⚡, then alarm host will automatically get into emergency alerting mode, start siren and send out alarm SMS and make calls recycle 3 times.

## 7.2 External Power Failure Alarm

When AC Power off over 2s, the system will get into alerting mode immediately, and send alarm message "External power fail ". When AC Power recovery, host will stop alarm and send SMS "External power ok" to preset phone numbers.

## 7.3 Alarm Handling

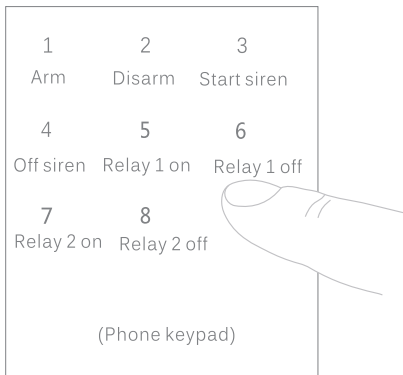
When an alarming occurred, host starts the siren to inform the householder/ neighbors, and send SMS and make phone calls to preset numbers.

User can remotely handle the alarm on phone keypad when answering the phone: Press 1 to Arm, 2 to Disarm, 3 to start the siren, 4 to stop the siren, 5 to turn on relay 1, 6 to turn off relay 1, 7 to turn on relay 2, 8 to turn off relay 2.

If the phone call is unable to get through, host will dial the next alarm calling numbers circularly for 3 times unless it is answered by one of the phone calling.


## 7.4 Remote Arm/Disarm & Listen in By Dialing Alarm Host

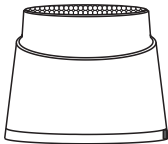
Dial the alarm host with telephone to control it, host will automatically answer the calling about 10 seconds later. input password once get through, host will hang up if input password wrong for 3 times. If password correct, start listen in automatically, and control host via phone key:



Note: Host will hang up automatically 20 seconds later if there is no operation before input the password.

### 7.5 Connect Wireless Strobe Siren /Two Routes Home Appliance Control Switch

Switch on the siren/control switch and alarm host, when alarm panel gets into running status, press the learning button of siren /control switch, when the light of learning button on, press  on the remote controller to activate alarm, the host will auto learn to both devices. The learning light of siren/control switch will off when learning successfully.

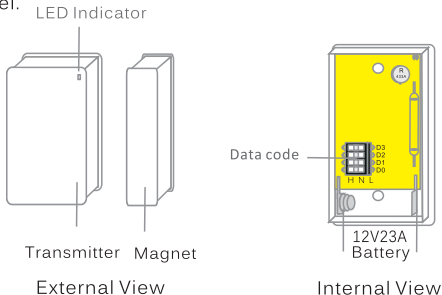


Wireless Strobe Siren

## 7.6 Wireless Door/Window Magnetic Contact

The door/window magnetic contact can be mounted on the doors/windows and anything else that opens and closes.

It consists of central unit, transmitter with magnetic switch, and magnet. When the magnet is separated from the central unit, the transmitter later will transmit the change of status to the control panel.



Note: every time a door or window is opened the LED light indicator will flash once as a sign that the sensor is transmitting its status to the control panel.

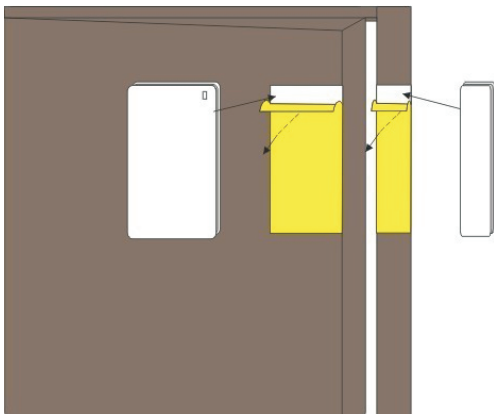
Tips:

If the color of LED indicator become red, please replace the battery immediately.

### Installation

1. Remove the battery protection strip.
2. Position the transmitter on the door frame and the magnet on the door.
3. Make sure that the magnet is always to the right of the transmitter.
4. Make sure that the magnet is no more than 1CM from the transmitter.

5. Fix the transmitter and the magnet with double-sided tape or with screws as appropriate.
6. Avoid positioning the sensor in areas with large metallic structures or electrical equipment such as the boiler or meter areas.



### Specification

Wireless frequency: 433MHZ

Code form: 1527 or 2262

Distance:  $\geq 100\text{m}$  (with no obstacle)

Battery: 12V 23A. capacity 50mAh

Battery life: 6 months (trigger 10 times each day)

Working current: standby  $\leq 16\mu\text{A}$ , triggered  $\leq 19\mu\text{A}$

Working temperature:  $-10^{\circ}\text{C} \sim +60^{\circ}\text{C}$

Size of transmitter: 66×35×14mm

Magnet: 66×14×14mm

Weight without battery: 15g

Weight with battery: 25g

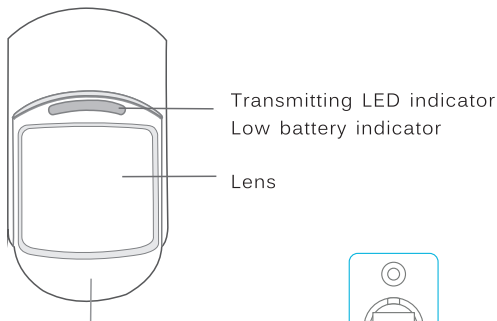
Color: creamy-white

## 7.7 Wireless Motion Sensor (P.I.R)

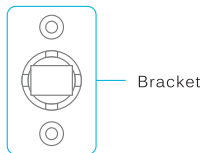
The Motion sensor is a wireless passive infrared detector with high stability.

It has adopted advanced technology in signal processing and providing superhigh detection ability and anti error alarm.

It will detect movement of body automatically when intruder pass through the detected area, and it will send out alarm signal to alarm panel if there is movement.



Wireless PIR motion sensor



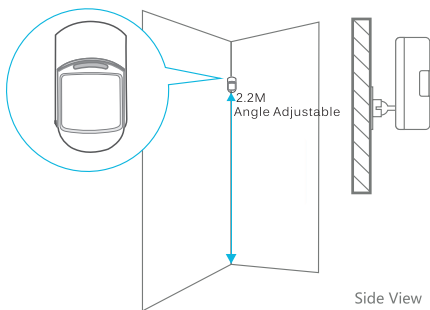
Note: if the LED indicator flashes repeatedly the sensor is carry out an automatic test. When it flashes twice the test is complete and the sensor is ready to detect.

Once movement in front of the sensor has been detected the sensor transmits its status to the control panel.

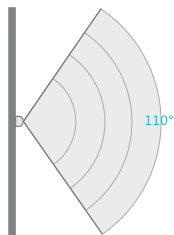
The color of the LED indicator become yellow, the battery should be replaced immediately.

## Installation

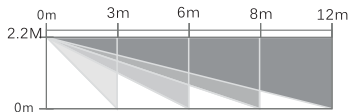
1. Installation at the out door, place with pets, air-conditioner near by, direct sunshine, heat source and under the rotating objects should be avoid.
2. Surface of installation should be firm with no vibration.
3. Installing the detector in the place where intruder pass easily.
4. Fixing bracket on the wall by screw.
5. Hang the detector, it will work normally after turning on the power switch.



## Operation Range



View from above



Side View

## Specification

Operation voltage: DC9V

Detecting distance: 9 -12m

Code form: 2262 or 1527

Radio frequency: 433Mhz or 315Mhz

Standby current:  $\leq 25\mu\text{A}$

Alarm Current:  $\leq 15\text{mA}$

Radio distance: 100m (Operation area), 40m (indoor)

Low battery: LED indicator yellow

Alarm indicator: LED indicator red

Range of coverage: 11 distance, 8 middle, 5 vicinities

Operation temperature:  $-10^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$

Installation height: 1.7 to 2.5m (2.2m is proposes)

Outline size: 106\*62\*46mm

## VIII. Cautions

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1. Keep away from water.
2. Install host in hidden place with good GSM signal.
3. Turn off host when insert/take out the SIM card.
4. Connect power adapter well and keep good heat dissipation.
5. Enter into normal running status about 12 seconds later.
6. Check all the detectors batteries in time and change them when power is low.
7. Do not install the PIR motion sensors face to the window directly.
8. Do not install the alarm system close to the objects with strong interference, such as TV, computer etc.
9. Inspect the SIM card in the alarm host regularly (Check GSM signal, balance etc).
10. Inspect the GSM alarm system operation regularly.
11. Designed for indoor use rather than outdoor.
12. Suggest operating the touch keypad in Disarm status. The response time is 200ms in non-alarm status, it's 1-2 seconds in alarm status.





# TOUCH ALARM SYSTEM