Change RFID tags name

The first 30 RFID tags can be renamed. Sending a text message with "801", "802" , "803" to "830", you can edit the names linked to each tag.

801

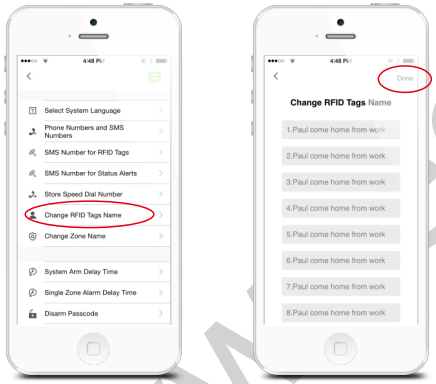
Change RFID tags SMS notice:
1.

Left is the response message of the alarm system shown when texting '801' to the control panel. Copy the message and adjust the names behind the numbers as shown below.

Change RFID tags SMS notice:
1. Tom

Change RFID tags SMS notice successfully.

In the App:



Change sensor name

Each sensor is referred to as a zone. The first 30 sensors (1-30) can be changed according to personal reference. Each sensor (zone) has 30 free characters to fill in a new name. The name of the sensors from zone 31 and higher can't be adjusted. When sending a text message with '901', '902', '903' to '930' you will receive a message back with the zone number and name.

901

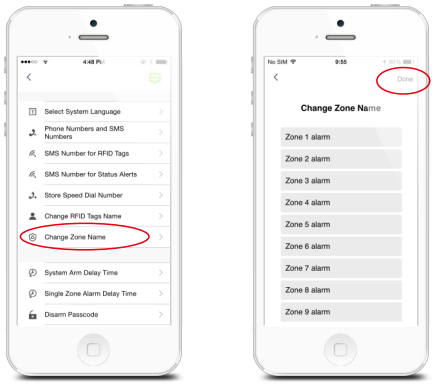
Zone 1 name: Zone 1 alarm

To change the name of the zone you can copy the received text message and replace 'Zone 1 alarm' for a name of your choice.

Zone 1 name: Entrance door sensor

After sending this message you will receive a confirmation of the new settings being adjusted successfully.

In the App:



Change system arm delay time (exit delay time)

The system can be armed with a time delay. When a delay time is set you will hear a beep every second as a warning of this delay. The beep will go faster in the last 15 seconds.

11

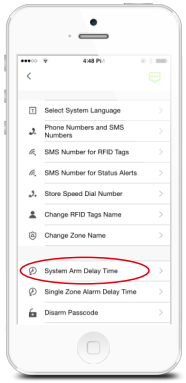
System arm delay time
(0-300 sec):
0

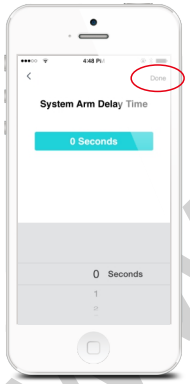
Left is the response message of the alarm system shown when texting '11' to the control panel. Copy the message and adjust the time as shown below.

System arm delay time
(0-300 sec.):
30

Set delay time successfully.

In the App:





Internal siren setting

Arm/disarm tone, alarm volume and duration of the internal siren can be adjusted in this menu.

Arm/Disarm tone: The default setting is ON, it can be turned off by texting '24700' to the control panel or turned on by texting '24701'.

Alarm volume and duration:

12

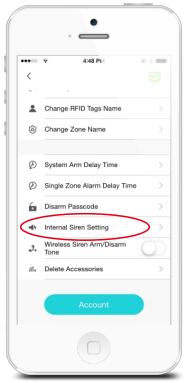
Siren volume(0 Mute,
1 Low, 2 High):
2
Siren ringing time(1-9min):
5

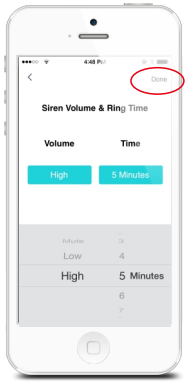
Left is the response message of the alarm system shown when texting '12' to the control panel. Copy the message and adjust the volume ('0, 1 or 2') of the siren and the duration of the siren as shown below.

Siren volume (0 Mute, 1 Low, 2 High):
0
Siren ringing time (1-9 min):
3

Set siren volume and ringing time successfully.

In the App:





Change disarm password

13

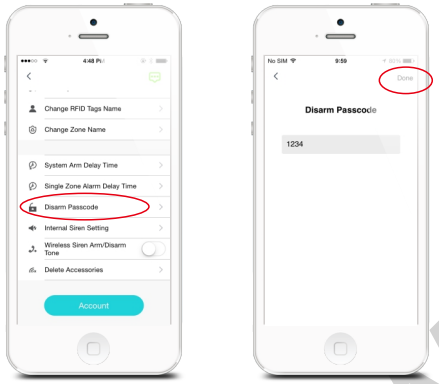
Disarm password (4-6 Digits):
1234

Left is the response message of the alarm system shown when texting '13' to the control panel. Copy the message and adjust the battery as shown below.

Disarm password(4-6 Digits):
8888

Set disarm password successfully.

In the App:



Setting single zone alarm delay time

After setting single zone alarm delay time, when the single zone sensor is trigged, the control panel will beep once per second instead of alarming immediately. This allows the user time to disarm the system from the control panel. If the system is not disarmed within the delay time then the alarm will be triggered.

14

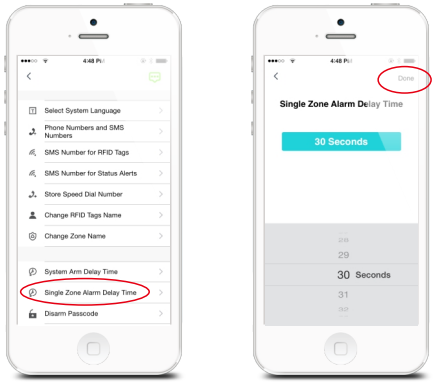
Below is the response message of the alarm system shown when texting '14' to the control panel. Copy the message and adjust the delay time for the single zone sensor as shown below.

Single zone alarm delay time (0-300 sec.):
30

Single zone alarm delay time (0-300 sec.):
15

Set single zone delay time successfully.

In the App:



Store SMS numbers for status alerts

The stored number can receive SMS in case of low battery, power failure or recovery. You can store the numbers by texting '16' to the control panel or by App.

Wireless siren arm/disarm tone

If you have a wireless siren with your system you can turn on or off the arm/disarm tone by texting '63701' = On or '63700'= Off.

> Note: The default setting is off.

Delete accessories

Option 1: SMS

You can delete the wireless sensors (door/window contacts, PIR detectors) by texting "21" to the SIM card number in the control panel.
You can delete the RFID tags by texting "22" to the SIM card number in the control panel.
You can delete the remote controls by texting "23" to the SIM card number in the control panel.

Option 2: App

You can delete the wireless sensors/ RFID tags/ remote controls from App.

Option 3: Control Panel

You can delete the sensors one by one from control panel. For example, if you want to delete zone 1 sensor:

1. Enter '1234' (or new disarm password);
2. Press [ ] ;
3. Enter '01' ;
4. Press [ ].

Restore system to default setting

Also called a 'hard reset'. This should also be performed when changing the SIM card.

Long pressing tamper switch for 4 seconds and then quick pressing it 5 times in 3 seconds can also restore the control panel to default setting, and the control panel will beep twice.

Signal checking by SMS

To check the 3G signal strength send 'CSQ' in a text message to the SIM card mobile number in the control panel. The signal strength number value is between 1 - 31. The higher the number value is means a stronger 3G signal in that location.
CSQ

SMS notification of tampering sensors

The stored numbers on page 19 will receive an SMS message when a tamper alarm condition occurs. The zone name will appear in the SMS along with the words 'tamper alarm'. This feature only applies to sensors with a built-in tamper switch.

Arm & Disarm by free phone call

Arming the alarm system can be done by calling the SIM card telephone number in the control panel. When you hear the dialling tone, hang up. You will be called back by the same number. Do not answer but decline the call. The alarm will be armed.

Disarming the alarm system can be done by calling the SIM card telephone number. Hold on until the system disconnects by itself. The alarm system will not call you back and the alarm system will be disarmed.

IMPORTANT: To arm or disarm the alarm system, make sure voicemail is disabled on the SIM card of the alarm system.

Connect (new) wireless accessories & RFID tags

Connect new wireless sensors

The included sensors are paired with the control panel by default. If you want to pair new sensors, follow these instructions: Enter the password and press the button on the control panel. The button lights up. Now you can pair a sensor by triggering it. When you hear a beep from the control panel the sensor is paired successfully. If you hear the control panel beep twice the sensor has already been paired before.

Connect new RFID tags

Enter the password and press the button on the control panel. The button lights up. Now you can hold a RFID tag in front of the blue circle on the control panel. When you hear a beep from the control panel the RFID tag is paired successfully. If you hear the control panel beep twice the RFID tag has already been paired before.

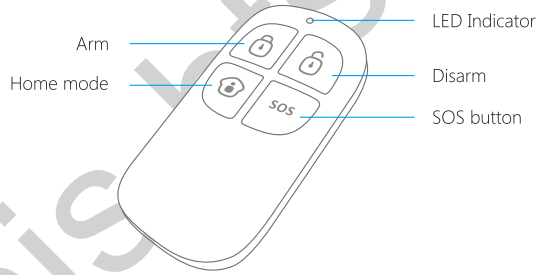
IMPORTANT: The RFID tag does only function when the control panel is connected to AC.

Connect and delete wireless sirens

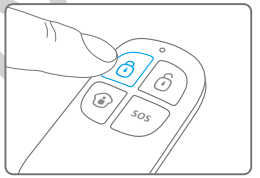
This siren is an extra accessory. Press the connect button on the siren for 0.5 seconds. Siren beeps once and its LED starts to flash. Now press the arm button on the control panel. You will hear a single beep when paired successfully.
Hold the connect button on the wireless siren, a beep is heard means the connection between wireless siren and control panel is deleted.

Remote control

Remote control overview

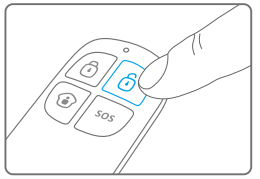


Arm



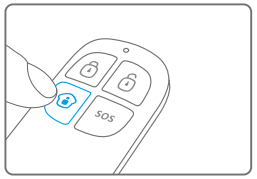
Press to arm the alarm system. The LED indicator will light up and the siren will beep once to confirm the alarm system is armed.

Disarm



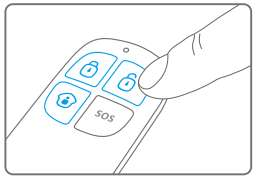
Press to disarm the alarm system. The LED indicator will light up and the siren will beep twice to confirm the alarm system is disarmed.

Home mode



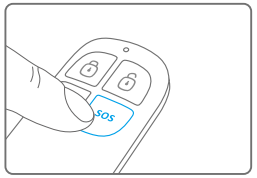
Press . All sensors in the normal group will be activated. All sensors in the home group will be inactive. This means you can partially arm the house.

Mute mode



Press and hold the for 1 second, and then press or within 3 seconds. The alarm system will be armed or disarmed without making any noise. The alarm system can be controlled without disturbing fellow residents.

Emergency call



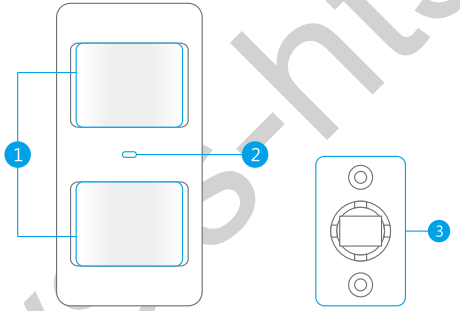
Regardless whether the alarm system is armed or disarmed, by pressing the SOS button on the remote control the alarm will be activated immediately.

Connect a new remote control

Enter the password on the control panel and press the button. The button lights up. Press a button on the remote control to connect with the control panel. The control panel will beep once when paired successfully. It will beep twice when it has already been paired before.

Pet-Immune PIR Motion Detector

PIR motion detector overview



1. Detection window
2. LED indicator
3. Wall mount

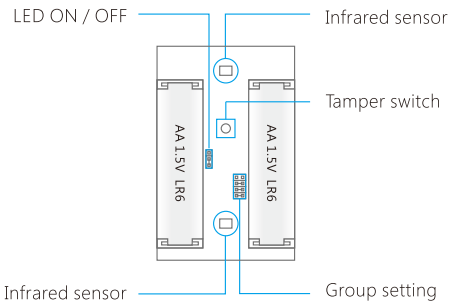
LED indicator

Blink continuously	: Motion detector performs a self-testing
Blink once	: Motion detected
Blink twice	: 3 minutes testing is finished, enters power saving mode.
Blink once every 3 seconds	: Low battery indication, please change the batteries immediately.

Note: When battery level is low it will send an SMS message for notification.

Inside PIR motion detector

Carefully remove the front from the back.



Infrared sensors

The infrared sensors detect movement. These sensors must therefore always be clean. Do not touch the sensor!

Tamper switch

When opening the housing of the PIR motion detector the tamper switch will be triggered and send a signal to the control panel.

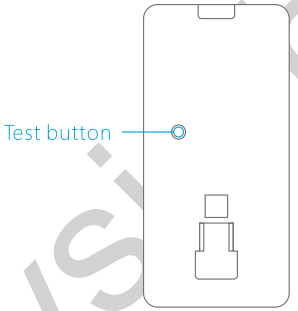
LED On/Off

The LED indicator at the front of the PIR motion detector can be turned off or on by moving the bridges.

Rearside PIR motion detector

Test mode

After self-testing, press the test button once. The PIR motion detector will emit a detection signal (LED flash once).



Power saving mode

When the PIR motion detector is triggered 2 times in 3 minutes it automatically goes into power saving mode. When no movement detected in the next 3 minutes it will set itself back to working mode. During the 3 minutes the detector won't be activated and will not send a signal to the control panel. As long as motion is detected within the 3 minutes the power saving mode will be extended for another 3 minutes.

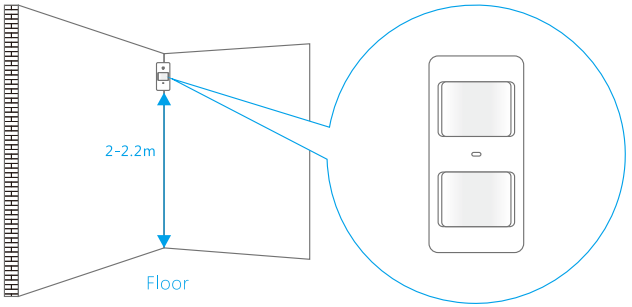
Connecting wireless PIR motion detector

IMPORTANT: When pairing the PIR motion sensor make sure other sensors won't be triggered. Cover other motion sensors or put them temporarily in a room where there is no movement.

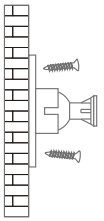
Enter the password on the control panel and press the button. The button will light up. Now press the test button at the back of the motion sensor two times. The control panel will beep once when pairing is successful. If the system beeps twice, this means that the sensor already has been paired.

Installing PIR motion detector

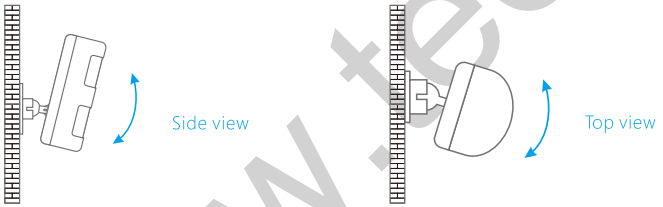
Avoid installing the motion detector directly toward windows, near airconditioning, heating, refrigerator, oven, direct sunlight and places where many temperature fluctuations occur. Also try to avoid placing two motion detectors in the opposite of each other; don't place it in each others detection range.



Note: The ideal mounting height of the motion detector is 2-2.2 meters from the floor.



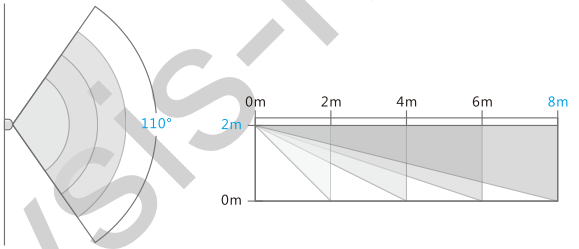
Mount the bracket with the included screws as shown in the figure on the left. Then place the motion detector in the bracket. Specify the right direction of the detection range of the motion sensor. Test the operation of the motion detector by putting it into testing mode which is described at the former page.



IMPORTANT: If pet-immune function is used, the detector must be parallel to the wall, do not adjust the angle up or down.

Test mode PIR motion detector

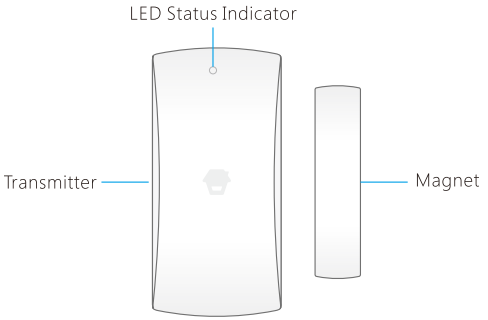
1. Once the motion detector is fully installed and active, the detector can be tested. Press the test button once and walk from left to right or right to left in the room.
2. The LED indicator will flash once when motion is detected.
3. Adjust the angle of the motion detector if needed to obtain the best results. Repeat step 1 and 2 to test the new angle.



Top view Side view

Wireless Door/Window Contact

Front view door/window contact



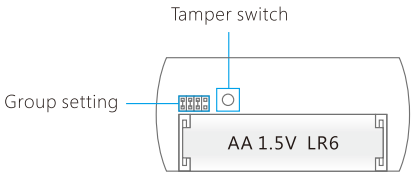
LED indicator

Blink once : Door/window open detected
Blink once per 3 seconds : Low battery indication, please change the batteries immediately.

Note: When battery level is low you will receive an SMS for notifcation.

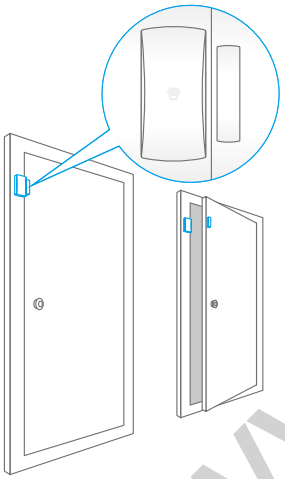
Inside the door/window contact

Tamper switch
When opening the housing of the door/window contact the tamper switch will be triggered and send a signal to the control panel.



Installation tips

The door/window sensor can be installed on doors, windows or any other objects that can be opened or closed. When installing it on a windows, the sensor (large part) can be applied to the frame and the magnet on the window itself.



The LED indicator must blink once when the transmitter and magnet are being separated more than one centimeter.
The distance between the transmitter and magnet must not be over one centimeter in closed position.

Apply both parts with the included double-sided tape. It is also possible to apply the contact with screws.

It is not recommended placing door/window contact in areas with a lot of metal. This also applies to a surface with a lot of metal. Always check if the LED indicator blinks when opening the door or window.

IMPORTANT: On both parts there can be found a triangle which should be pointing towards each other.

Connecting magnet contact

1. Make sure the magnet is placed next to the transmitter (within 1 centimeter).
2. Enter the password on the control panel and press button.
3. The button will light up.
4. Separate the transmitter and magnet more than 1 cm from each other.
5. The sensor will be triggered.
   The control panel will beep once when connecting is successfully. If the system beeps twice the sensor has already been connected.

Electric Lock Output

The connector of PUSH and GND of the electric lock should be connected to the output connector of PUSH and GND at the bottom of the control panel.

When disarming the system with the control panel connected to an electric lock, the control panel will send a signal and the lock will be opened automatically.

Note: The door which is equipped with electric lock will open automatically if there is a power failure. It is suggested that backup power supply should be provided for electric lock to prevent from power failure.

Installing Control Panel

The control panel can be mounted to the wall or can be put on a bracket on a desk with the included accessories showed below.

Desk stand

Wall mount

Wall mount

When mounting the control panel to the wall, first apply the walll mount to the wall with included screws. Now you can slide the control panel into the wall mount top to bottom on the plugs. The wall mount secures the tamper switch.

Desk stand

With the desk stand it is possible to place the control panel on a flat surface. The desk stand can be mounted on the control panel by sliding it from top to bottom.

IMPORTANT: Avoid pressing the tamper switch several times in a row, this may cause the system to reset.

Technical Specifications

Control panel

Power Supply	12V DC 500mA
3G/WCDMA Frequency	EU: 900/2100MHz USA: 850/1900MHz AU&NZ: 850/2100MHz
Standby Current	< 180mA
Alarm Current	< 240mA
Transmitting Distance	< 80m(open area/no interface)
Back-up Battery	Lithium-Ion battery 3,7V 800mA BL-5B (2x)
Built-in Siren	95dB
Maximum Wireless Accessories	10 x Remote control 50 x Sensor 50 x RFID Tag
Radio Frequency	315MHz or 433.92MHz (±75MHz)
Housing Material	ABS plastic+Acrylic
Temperature	0 to +55 degrees celcius
Relative Humidity	< 80% (non-condensing)
Dimensions (LxWxH)	188 x 132 x 26 mm

PIR-910 Wireless PIR Motion Detector

Power Supply	3V DC (2 x AA 1,5V LR6)
Standby Current	< 18uA
Alarm Current	< 12mA
Detection Range	8 m / 110°
Pet Immunity	< 25kg
Wireless Transmitting Distance	< 80 m (open field/no interference)
Radio Frequency	315MHz or 433.92MHz (±75MHz)
Housing Material	ABS plastic
Temperature	0 to +55 degrees celcius
Relative Humidity	< 80% (non-condensing)
Dimensions Detector	108 x 52 x 36.8 mm
Dimensions Bracket	52 x 30 x 26.5 mm

DWC-102 Wireless Door/Window Contact

Power Supply	1,5V DC (1 x AA 1,5V LR6)
Standby Current	< 35uA
Alarm Current	< 40mA
Wireless Transmitting Distance	< 80 m (open field/no interference)
Radio Frequency	315MHz or 433.92MHZ(±75 MHz)
Housing Material	ABS plastic
Temperature	0 to +55 degrees celcius
Relative Humidity	< 80% (non-condensing)
Dimensions Transmitter	71 x 34 x 17.5 mm
Dimensions Magnet	51 x 12 x 13.5 mm

RC-80 Wireless Remote Control

Power Supply	DC 3V (one CR2025 button cell battery)
Transmit Current	< 7mA
Wireless Transmitting Distance	< 80 m (open field/no interference)
Radio Frequency	315MHz or 433.92MHz (±75MHz)
Housing Material	ABS+PC plastic
Temperature	0 to +55 degrees celcius
Relative Humidity	< 80% (non-condensing)
Dimensions	58 x 31 x 9.5mm

TAG-26 (RFID tag)

Circuit	EM4100 CMOS
Radio Frequency	125KHz
Dimensions	30 x 30 x 6mm

Electrical products should not be discarded with household products. According to the European Directive 2002/96/EC on waste electrical and electronic equipment and its implementation into national law, electrical products used must be collected separately and disposed of at collection points provided for this purpose.

Talk with your local authorities or dealer for advice on recycling.

CAUTION: RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT BATTERY TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

Troubleshooting

When the G5W alarm system is not working properly please try following solutions:

Problems	Reason/Solution
The control panel cannot start up	Confirm whether the power supply is connected correctly
	Make sure the power is on
Remote control does not work	Check whether the indicator on the remote control is on when pressing
	Check whether the remote control has paired to the control panel successfully
	The distance between the control panel and the remote control is too far away
Door/window contact does not work	Check whether the LED indicator is on when magnetic separates from transmitter
	Door/window contact is far away from the control panel
	Check whether the system is in armed state
	Check whether space between the magnet and transmitter is within 1 cm
The PIR detector is triggered but the control panel does not alarm	Press the test button of the detector continuously in armed state. If the control panel does not alarm, please re-pair the PIR to the control panel
	The detector is far away from the control panel
	Check if the detector has entered sleeping state
	Check if the battery is exhausted

Troubleshooting

The control panel does not response to SMS instruction	Make sure the inserting direction of SIM card is right
	Make sure inserting the SIM card first before powering on
	Check whether the SIM card has balance credit
	Check whether the SIM card has enabled Caller ID Display function, text function
Do not receive phone calls when alarm	Check whether the alarm notification number has been stored
	After alarm, do not disarm the system immediately otherwise the system will stop calling
	Check whether the SIM card has balance credit
No sound when sending out alarm	Check if control panel volume is set as mute; Reset alarm ring volume by SMS or APP
Lifespan of the battery in door/ window contact	The door magnet itself has one AA battery, and its service life is approximately 8-12 months. For example: as for a family of three people who go out early and come home late without anyone at home in the daytime, its standby time is 12 months; places having large flow of people every day that need open and close doors frequently, such as stores, it could be used for around 8 months
Lifespan of the battery in PIR motion detector	The detector itself has two AA batteries whose service life is approximately 8-12 months. For example: as for a family of three people who go out early and come home late without anyone at home in the daytime, its service life is 12 months; as for places having large flow of people every day, such as stores, its service life is about 8 months
No response when swiping RFID tags	RFID function can be used only after the control panel is connected to the power adapter
	Check if the RFID tag is paired to the control panel. If not, please pair it again
Swiping RFID tags without sending SMS notification	Check if RFID SMS notification number and RFID tags name are stored
The detector, remote control and other accessories do not response any more after the control panel is moved	Long press the tamper switch for 4 seconds and then quick press the tamper switch 5 times in 3 seconds, and all the connection between the control panel and accessories will be cleared. Pay attention not to trigger the tamper switch frequently when installing the control panel
Get replied SMS "Phone number is unauthorized."	Whether the SIM card has enabled Caller ID Display function
	Whether the cell phone number is set as alarm number
Network indicator blinks	When the network indicator stays on, means the network is being searched. When the indicator blinks once every second a network has been found.
Motion detector doesn't seem to work properly	When the PIR motion detector is triggered 2 times in 3 minutes it automatically goes into power saving mode. When no movement has been detected in the next 3 minutes it will set itself in the normal mode. During the 3 minutes the detector won't be active and will not send a signal to the control panel. As long as motion is detected within the 3 minutes the power saving mode will be extended.