

GSM home alarm system's manual



I . Main features:

- 1 □ Eight wireless LED zone, and four wired zone
- 2 □ Two-way to communication
- 3 □ The system supports the GSM cell phones, no need the fixed telephone line.
- 4 □ Can set HOME arm/AWAY arm
- 5 □ When alarming, system plays the recorded voice at first, call six phone numbers and send the short message(SMS) □ which can be programmed by yourself.
- 6 □ The SMS (no longer than 160 numbers) can be programmed by users
- 7 □ Record 10 seconds message
- 8 □ Using remote controllers, you can arm, disarm, panic from long distance.
- 9 □ Can control the system by using a telephone or cell phone anytime, wherever you are. For security reasons, a PIN code must be used for access.
- 10 □ Can support all kinds of wireless sensors, such as PIR detectors, door (gap) sensors, gas sensors, smoke sensors, beams, panic buttons and so on, 160pcs in total.
- 11 □ Send the SMS to GSM alarm system to program, it is very easy and quick to be installed and operated
- 12 □ With inner back-up battery, when the power is off, it still can work about 24 hours.
- 13 □ Has output relay, can control home appliance □ such as light, cooker, air-conditioner and so on.

II . Before installation, please pay attention:

1. When using GSM main panel, it is better to put up the antenna to have strong signal, to guarantee the distance between main panel and detectors
2. Don't put the GSM main panel near the computer, TV, fax, microwave and other high power machine, they will disturb the GSM system.

3. Don't put water on main panel, detector and sensor.
4. Wireless PIR detector, install it to be 2-2.2M, it is better not to face the window or door.
5. Read this manual carefully before using, to avoid having faulty alarm or no alarm.

III. Operation:

To input the SIM card

Press the yellow point by pen or other tools on the main panel, the SIM card box will come out, put the SIM card carefully into the box, and make sure the metal side of SIM card to be down.

To start the operation

Firstly make sure that the SIM card has the money, input the SIM card GSM alarm's SIM box carefully, and connect the antenna first, then connect the DC adaptor and press the ON/OFF, you will see the power LED is on, in 30 seconds, it will find the GSM network. When finding the network, the power LED on the main panel will glitter in 5 seconds. If it glitters in one second, it doesn't find the network.

1. How to code/register the wireless detector

Press the CODE button on the main panel without stop for about two seconds, until the first defense zone LED is red, with one beep, you can press the RECORD button quickly to change the defense zone according to you, then trigger the wireless detector and sensor (press any button on remote controller, make PIR and door gap sensors to work, or let the smoke/gas detector send signal), they will be recognized and coded into the defense zone.

2. How to trigger the wireless detector when code/register

Before coding/registering, please collect all detectors and make sure their battery inside and can work normally. When the defense zone LED is red, now you can start to code/register them. For example, door sensor, just remove the two parts of door sensor and remove back. And for PIR Sensors, you can turn the switch to "on", then turn it to "off" to avoid wrong alarm. For remote controllers, you can press any button, it will send the signal. For gas detectors, there is a black switch on the left side; you can press it to register it with GSM alarm. For smoke detector, there is crystal point for testing, press the point without stop, it will have big sound and send signal to the GSM alarm.

3. How to return from the code/register condition

When on the code/register condition, press the CODE and quit quickly on the main panel, with one beep to show successfully. If there is no operation in 30 seconds during code/register condition, it will return automatically.

4. How to delete the wireless detector

If you want to delete the second defense zone's, Press the CODE on the main panel without stop for about one second, until the first defense zone LED is red, with a beep, press RECORD and quit quickly on the main panel to change to the second defense zone, then press the RECORD again for long time on the main panel, until the second defense zone LED don't glitter, it is ok to delete the second defense zone's detector now.

5. How to record voice

Press the RECORD button without stop for 2 seconds on the main panel, then all defense zone's LED will glitter at the same time, it is time to record.

- 1, to record: press the (CODE) button and quit quickly, it is the time to record the voice, when finished, it will return automatically.
- 2, if there is no operation, it will return automatically in 30 seconds.

6. How to store the phone numbers

1) Firstly, please set the country's code, command is

***password#838*country code#**

For example : in England , country code is 44, so, command is

***1234 #838*44#**

2) Program the short message: ***password#83X*phone number#**, to send the GSM alarm system.

The **X** can be 1, 2, 3, 4, 5, 6, to mean which phone number is.

For example: if you want to store the second phone number, the phone number is 556677, the password is 1234, and then the message command is

***1234#832*556677#**

You can also store the first mobile phone number (6566809), it is ***1234#831*6566809#**

If you want the first mobile phone number to receive the short message, the command:

***1234#831**6566809#**

3) This command can be chosen, but not sure to be ok. If the phone number is not GSM mobile phone number, like CDMA mobile phone number, 3G phone number, they can get the SMS, the command is ***1234#83X*s phone number #**

Remarks: 1234 is the original password.

7. How to store the short message content (SMS)

The short message is: ***password#851*content#**

The **content** can be just English, not over 26 characters.

For example, the content is **alarmcome**, and the password is 1234, then the command is:

***1234#851*alarmcome#**

8. How to delete the phone number

The short message: ***password#83X*#**

The original password is 1234, **X** means which phone number is

For example: you want to delete the third phone number, then the message command is:

***1234#833*#**

9. How to change the password

The short message: ***old password#811*new password#**

The password can be just four digit numbers.

For example: your original password is 1234, you want to change the password to be 5566, the short message command:

***1234#811*5566#**

The following commands are advanced operation, if no special need, please don't try.

1. How to set inner defense zone

It means if you are at home, and you set the inner defense zone, you can set the HOME ARM, so some detectors can't work in the room.

The eight-defense zone is the inner zone, you can code the wireless detector and sensor into the eight-defense zone, it is ok.

2. How to set the time of siren

The short message: ***password#814*X#**

The **X** can be 0-30, such as, 2, 10, 20, 25, 30, if the **X** is 0, it means the siren has no voice when alarming.

For example, you want to let the siren have voice for 2 minutes when alarming, and the password is 2345, then the message command is:

***2345#814*2#**

3. How to set the recycling times to dial up the phone numbers

The short message: ***password#812*X#**

The **X** can be 1, or 2 or 3, if it is 2, it means the GSM system will dial up the phone numbers for two times . The original **X** is 3 .

For example, you want to set the recycling times to be 2, and the password is 4455, the message command is:

***4455#812*2#**

4. How to cancel the function to dial up the phone numbers

If the password is 1234, the short message is: ***1234#816*1#**

In this way, when alarming, it just send the SMS to the mobile phone, no call the mobile phone number.

5. How to cancel the function to send the short message (SMS)

If the password is 1234, the short message is: ***1234#816*2#**

In this way, when alarming, it just call the mobile phone, no send the SMS.

6.How to set the coding form

If the password is 1234, the short message is: ***1234#817*0#** or ***1234#817*1#**

If it is ***1234#817*0#** it is 2262 coding form, this is default coding form.

If it is ***1234#817*1#** it is 1527 coding form

To deal with the alarm

When alarming, the siren sounds, users get the call, they will hear the recorded voice firstly, then operate according to followings, the siren will also stop.

1=arm

The users press 1 on the mobile phone or fixed phone, and hear the beep.

2=disarm

The users press 2 and hear the beep, the siren will close at the same time

3=siren sounds for 3 seconds

The users press 3 and hear 3 beeps, the siren has voice for 3 seconds

0=two-way to communicate

The users press 5 to hear the beep, then can speak with the people who are on spot.

press 1-9 can set the voice for two-way, 1 is the lowest voice, 9 is the biggest voice. The original time for two-way communication is 30 seconds, after 30 seconds, it will return automatically. If the user wants to continue, just press *, or 1-9 button, it will last 30 seconds

every time. The users can press 0 to return to main menu.

***=listen in**

The users press * and hear the beep, can listen in what happen on spot

The original time is 30 seconds, after 30 seconds, it will return automatically, if the user wants to continue, just press *, it will last 30 seconds. The users can press 0 to return to main menu.

4=open the output relay

To control the home appliance, like light, cooker and so on.

5=close the output relay

To control the home appliance, like light, cooker and so on.

#=return

The users press # to return from the alarm, the system can't dial up the next phone number, but the siren will still work for pre-set time.

If the users don't press #, the alarm system will dial up the next phone numbers, and the siren will work, until users press #, or dial up all phone numbers for setting times.

To operate in long distance

The users call the GSM alarm system and hear one long beep, enter the password, if the password is wrong, will hear long beep, the maximum wrong password is 3 times, after 3 times, the system will come back. After entering the right password, with two beeps, the users can operate according to following steps.

1=arm

After pressing 1, the users can hear a beep to show successfully.

2=disarm

After pressing 2, the users can hear a beep to show successfully.

3=siren sounds for 3 seconds

After pressing 3, with 3 beeps, the siren will work for 3 seconds.

0=two-way to communicate

The users press 5 to hear the beep, then can speak with the people who are on spot. press 1-9 can set the voice for two-way, 1 is the lowest voice, 9 is the biggest voice. The original time for two-way communication is 30 seconds, after 30 seconds, it will return automatically. If the user wants to continue, just press *, or 1-9 button, it will last 30 seconds every time. The users can press 0 to return to main menu.

***=listen in**

The users press * and hear the beep, can listen in what happen on spot

The original time is 30 seconds, after 30 seconds, it will return automatically, if the user wants

to continue, just press *, it will last 30 seconds. The users can press 0 to return to main menu.

4=open the output relay

To control the home appliance, like light, cooker and so on.

5=close the output relay

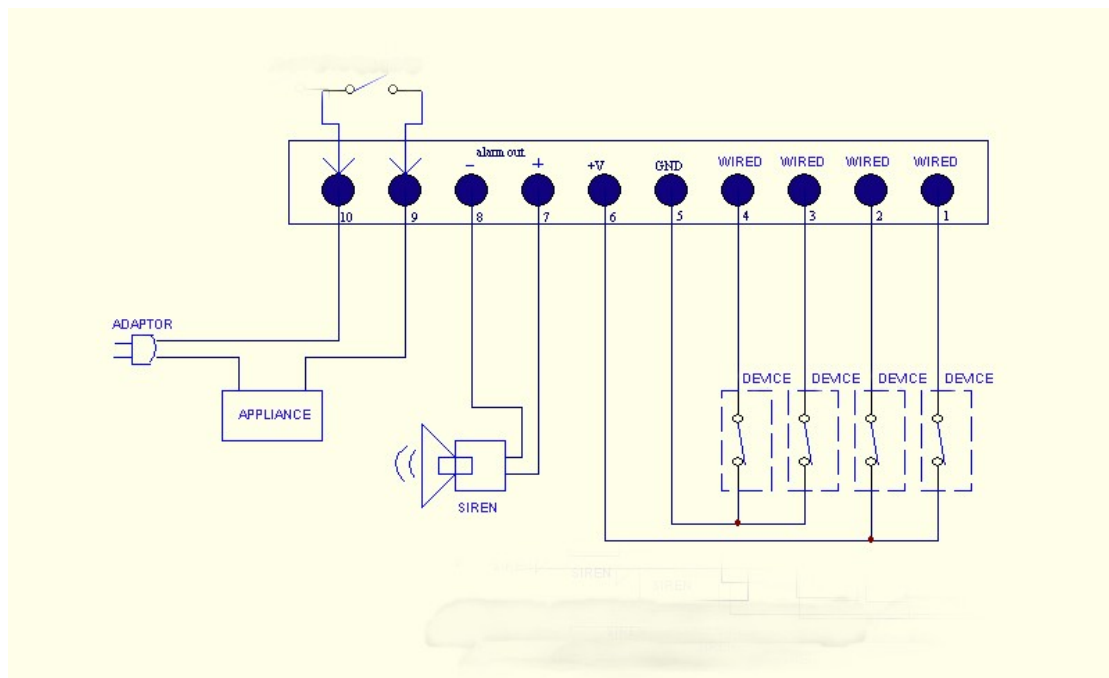
To control the home appliance, like light, cooker and so on.

#= return

Press # to return from operation

To connect the wired detectors and home appliance

You can read it as following picture:



To reset the system

Put off the GSM alarm system, press (CODE) button without stop, put on the GSM alarm system, the defense zone LED will glitter, and be red at the same time, then loosen (CODE) button, with a long beep to reset successfully. After resetting, all the phone numbers and command will disappear.

Technical Parameters

GSM Alarm unit

Operating voltage: DC12V

Average power: AC/DC exchanger 2A.

Wireless receiving distance: $\geq 100\text{m}$

Operating Frequency: 433.92 MHz or 315MHz, GSM 900/1800MHz,
or 850/ 900/1800/1900MHz for special order

Operating voltage: DC12V, AC 220/110V

Wireless receiving distance: $\geq 100\text{m}-250\text{m}$

Siren

Volume: 110 dB

Working Condition: Temperature $-10 \square + 40 \square$

Humidity $\leq 90\% \text{ rh}$

Wireless Door Gap Detector

Power Supply: DC12V (inner 12V battery)

Static Current: $\leq 20 \text{ mA}$

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

Transmission Frequency: 433MHz or 315MHz

Transmission Distance: less 80M

Internal Distance: 15 mm

Working Condition: Temperature $-10 \square + 40 \square$

Humidity $\leq 90\% \text{ rh}$

Wireless P.IR Detector

Power Supply: DC9V (inner 9V battery)

Static Current: $\leq 100 \text{ mA}$

Transmission Current: $\leq 20\text{mA}$

Frequency: 433MHz, or 315MHz

Transmission Distance: less 80M

Detective Speed: 0.3 - 3m/s

Detective Distance: 5 – 12M

Detective Range: Horizontal 110° Vertical 60°

Working Condition: Temperature $-10 \square + 40 \square$

Humidity $\leq 90 \text{ rh}$

Remote Control

Power Supply: DC12V (inner DC12V battery)

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

Frequency: 433MHz or 315MHz

Transmission Distance: less 80M