WS-232 GSM User Manual

P/N 2015121207A0-1

Brief

Thank you for purchasing the “smart home” products of our compay, thank you again,we hope our products can bring convenience and protection for your safety.

The “smart home” system uses the most advanced digital sensing and control technology,it is a set of smart alarm control system of anti-theft, anti-fire, and anti-gas leak compatible with wired and wireless alarm. This product is easy to operate and easy to learn with voice indication all around the operation ,complicated orders are not needed.

The “smart home” system recommends the most advanced multi -random vault technology in safety and reliability,which effectively solve the problem of interference,false positives,false negatives that cannot be solved by similar system at present. The way the “smart home” system uses in the alarm signal on the common high-speed way CONTACT-ID makes application of this series of products wider and compatibility stronger. The system can be widely used in family, community, villas, shops,units and so on.

We recommend that you carefully read the instruction to facilitate you for a skilled operation and use to the product, so the product can better serve you.

We will not notice if there is a chance of product perfomance, if you want to know the latest features, please contact with the relevant business.

Content

Chaper 1 Introduction

1.1 Function Introduction

1.Alarm mode: with PSTN and GSM network alarm,GSM network with GPRS function(GPRS function is for China market only).remote arm and disarm panel through CMS or SMS CID protocol,SMS notification, the priority of PSTN and GSM network is optional.

2.With a new large-screen,full-touch buttons,LCD graphic display steps,work status,Alarm process easy and intuitive.

3.The full English voice prompting operation:all local or remote operation, alarm information,event log view.

4.GSM-hook and voice telephone with intercom function.

5.All alarm information can be programmed for the following settings:

0 does not send any information.

1,Send only SMS 2,Only call users 3,SMS+call user 4,CMS only

5,CMS+SMS 6.CMS+ call user 7,CMS+SMS+call user

6.Sleep mode:Under sleep mode,all the lights,backlight,voice and remind tone are disabled.

7.Alarm panel under idle status is equivalent to a cellphone,you can call through the GSM network for balance inquiries

8.The associated zone: 4 groups associated zone, three kinds of association patterns,can effectively reduce false alarm or for other functions.

9.PGM output: With a programmed output port,followed by five kinds of alarm events output.

10.The doorbell Audio Optional:

1.Ding Dong 2.Welcome 3.Recording 4.Dee-Dee

11.Remote phone operation:dialing by telephone offsite,after password verification,you can arm,disarm,listen-in premise,system status query and electrical switches controls and other operations.

12.Voice alarm:When panel alarm,it will automatically dial the preset user phone numbers to report alarm information then you can remote

control the panel after enter user passwords.
13.32 wireless zones,each wireless zone can automatically learn the codes or be coded manually via the keyboard.This product can be compatible with our company's every wireless detectors in order to make users expand wireless zones.
14.8 wired zones, User can set the circuit type and speed of response, support N.O,N.C.
15.Enable enroll total 8 wireless remote,8 electronic switch,1 pc of wireless doorbell and Unlimited for quantity of one way wireless siren.
16.Follow me phone#,two for CMS,four for private alarm receiving.
17.Status inspection function:Enable record and inquiry 150 alarm event messages.Like the time when happens anti-tam per alarm, detector alarm,tel-line off,arm,disarm,system setting,battery low volt age etc . And also can inquiry the zone number and alarm type.
18.Timing arm and disarm:4 sets of timing arm and disarm time.
19.Electrical switches control:User can remote switch on/off via phone or SMS , also can be controlled manually through the local alarm panel.
20.Zone programmable:factory preset for each zone type.Users can modify all the zone type according to the actual needs.
21.Clock:Built-in full automatic calendar clock, set to local time consistent.
22.Password access management: the panel has one administrator password 16 user password.The administrator password primarily for system administrators to set up the alarm system;The user passwords for users in the day-to-day use such arm/disarm,remote operation. The administrator password,user password can be freely modified.
23.For CMS networking alarm,depending on the number of users,the user can set four,six or eight user codes(account number).
24.Zone type identification:After an alarm is triggered,the alarm zone number displayed on the LCD screen of the panel,also can send the

detailed report to CMS which includes alarm locations and zone types.
25.Alarm mode optical: Stand-alone single family use by the ordinary telephone alarm;Also can be used with the CMS alarm.CMS and ordinary telephone alarm automatically indentify and compatible.
26.The tampering alarm: cut the cable between wired detectors and the panel will trigger alarm,the telephone line cut will autom atically trigger siren alarm.
27.CMS communicatons test:The panel will send a message to CMS at the pre-set time interval to inspect the communication if normal.
28.Siren options:Built-in siren,external wired siren and can be used with wireless treble siren our company produced after code.
29.Wireless repeater function:can extend the distance between the detector and the panel by adding a wireless repeater of our company.
30.The wireless detector low battery prompted:Detectors will send status report to the panel every 1-3 hours,the corresponding zone number and the battery voltage symbol will be displayed on the LCD screen and also will report to CMS.

Chater 2 Installation and Connection

2.1 Installation

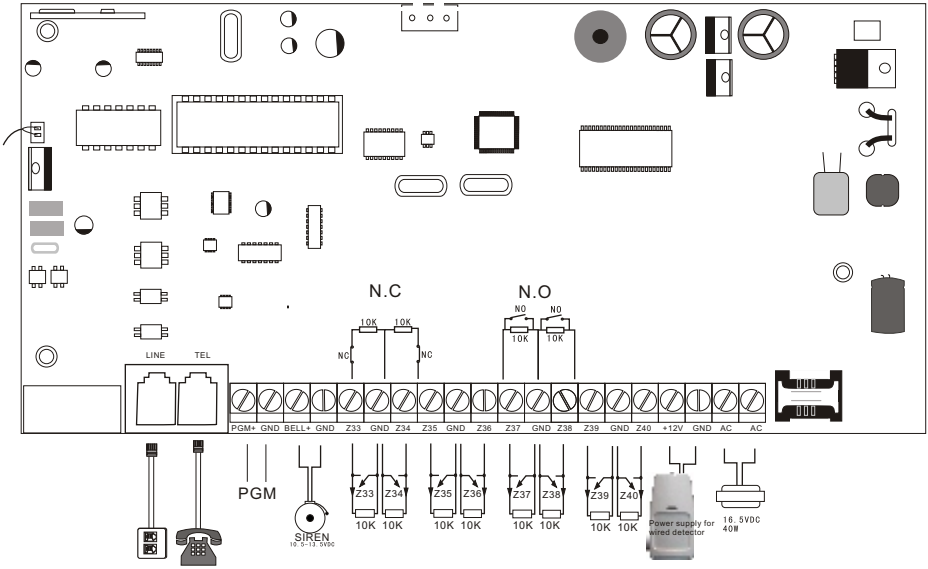
1. Fix the bracket to the wall and hang the Panel to the bracket

2.The large metal objects can not be placed around the panel,so as not to affect the wireless signal.

3.Make sure to place the panel within the wireless range of all wireless accessories and pay attention to the hidden.

2.2 Connection (N.O/N.C)

As pictures:



2.3 Install wired detector

2.3.1 The wired zones is disabled factory default.When to use wired zones please enable the zones firstly.When wired zones is in trouble, the panel will voice prompt" operation falls,Zone trouble" if users try to arm the panel.The zone number will be also display on the LCD screen.At this time arm system is not allowed unless you force arm.

2.3.2 The control panel can power 15V,100mA to detectors.The max current is 100mA.Do not exceed 100mA,otherwise please use extra power supply.

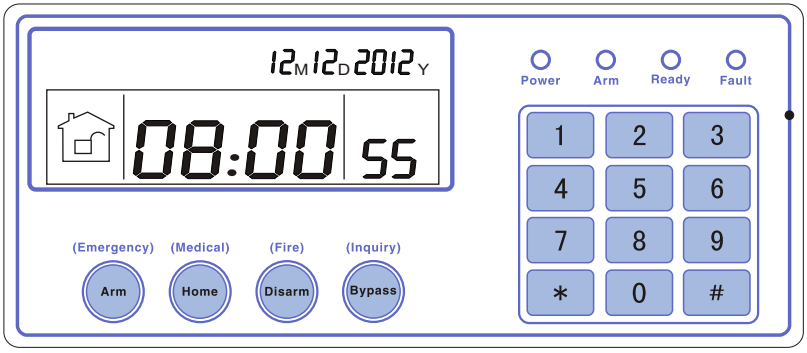
2.4 Install wireless detector

2.4.1 As the detector's manual says,install coded detector in the area 150m from the control panel.Please test and make sure detector can work with control panel normally.

2.4.2 Wireless repeater function:when wireless detector is too far from the panel or some occluders between panel and detector which disable the panel receivethe signal from wireless detector.Now you can choose our made wireless repeater to achieve wireless signal relay trans mitting.

Chapter 3 Keypad and operation

3.1 About panel



Power led: Light flashes,light flashes when with zone trouble

Arm led:Light on under armed status.Light flashes under stay status.

Ready led: Light flashes on under disarmed status.

Fault led:Light flashes when fault.

1 : Press 3 seconds to trigger fire alarm.

2 : Press 3 seconds for medical help

3 : Press 3 seconds for SOS

[4] : Press 3 seconds then enter user code to eable or disable delay zone doorbell(Refer to page 36)

[5] : Press 3 seconds then enter user code to enable or disable PGM output (refer to page 30)

[6] : Press 3 seconds to enter or exit sleep mode

[7] : Press 3 seconds then enter user code to eable or disable electrical switch

[8] : Press 3 seconds then enter user code to bypass zones or active zones.

[9] : Press 3 seconds then enter user code to proceed mormal testing, siren testing and walk testing.

[10] : Press 3 seconds to make phone call through GSM,the longest talk time is 240 seconds. The call will be interrupted when alarm occurs.

Sleep mode: all led indicators,backlight,voice,remind tone will be disabled under sleep mode.The panel will exit sleep mode autom atically when users enter system setting or when alarm occurs.

Bypass zone: bypassed zones means zones disabled.The bypass will be restored when users disarm systems under home armed or armed status.

Communication test: To test the communication between the panel the panel and the CMS if normally.

Siren test: to test if siren working normal.

Walk test:to test if the detectors are working normally with the panel and alarm.

3.2 Basic operation

Factory default

Administrator password:012345

16 User passwords,NO.01 factory default is 1234. No.02-16 of the user password is blank and can not enter the user setting untill user set the password.

Disarm:User password[1234]+DISARM

Home arm: Home arm key

Arm: Arm key

Event log: inquiry key

Shutdown operation:AC power-off state(#press and hold for more than 3 seconds) + user password [1234]+#

Enter system setting: * press and hold for more than 3 seconds + adminstrator password [012345]+#

Enter user setting: * press and hold for more than 3 seconds + user NO.(01) + user password (1234) +#

Zone inspection: Not inspect wired zones within one minutes of panel power up

Password reset:Enter 000000 to enter system setting menu within one minute of panel power up.

3.3 Flashes when phone line cut. Light on when phone line is normal.

Icon	Meaning	Icon	Meaning
	GSM signal strength		GSM is enabled
	Telephone line		Left behind
	Detector low battery		Disarm
	PANEL low battery		Arm
	Alarm		Enable GPRS
	Voice prompts		

 Flashes when phone line cut. Light on when phone line is normal.

 Flashes when GSM not ready, Light on when GSM is normal.

 Flashes when GPRS disconnected with CMS. Light on when GPRS is connected well with CMS.

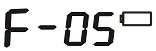
 Flashes under sleep mode. Light on uder normal working mode.

 Zone 5 alarm

 Zone 5 trouble

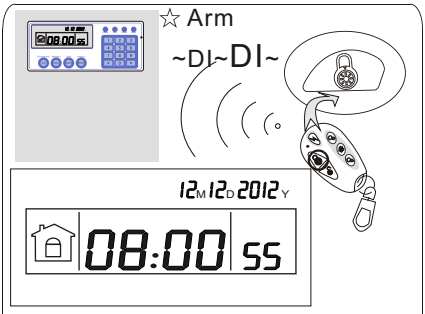
 Zone 5 bypass

 Zone 5 detector lost

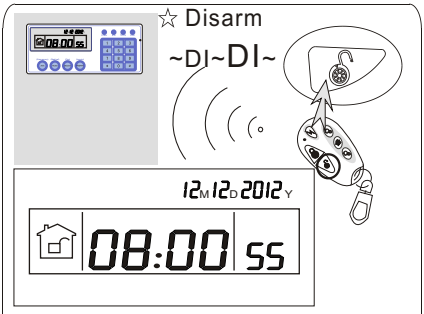
 Zone 5 low battery

The alarm zone number will still be displayed on LCD screen after first disarm when alarm accurs, returned to normal screen display only users disarm twice.

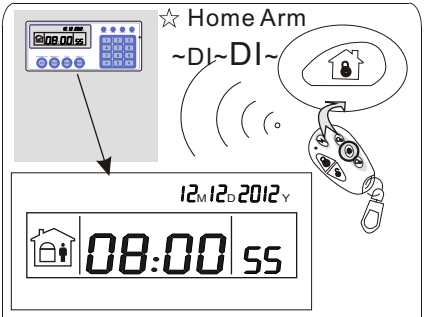
3.4 Host arm and disarm



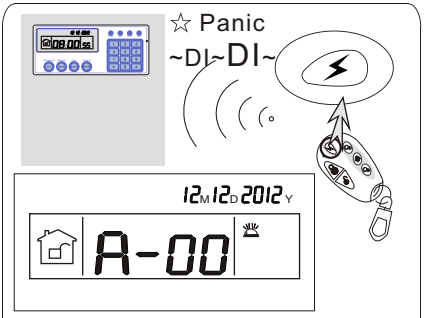
Press the key for arm away on remote or the keypad, then you hear "system armed, please exit the protection area" there will be "Dee-dee" sound to confirm the system is armed successfully.



Press the disarm key on the remote or enter your user password on the keypad, then you will hear "dee" and voice "system disarmed", then you have disarm successfully.



Press the key for home arm on the remote or "HOME" key on the keypad, then you will hear "system stay" And it display home arm icon on the LCD screen.



Press the panic button on remoter, or press "3" key on panel for 3 seconds.

The codes of arm/disarm via different ways:

Arm/disarm via keyfobs: 1-8 keyfobs----#40-47

Arm/disarm via user codes: 1-16 user codes---#01-16

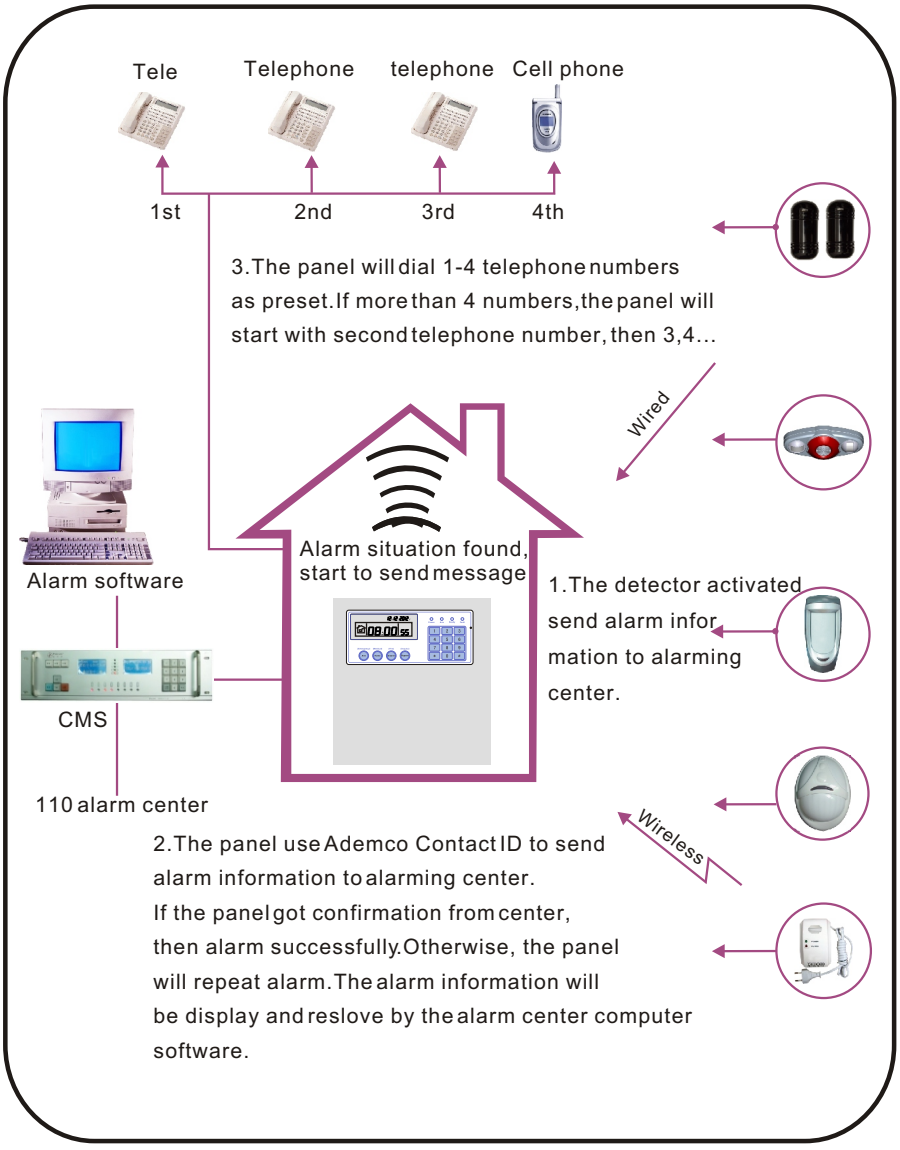
Arm/disarm via phone call: 1-4 user phone number---#60-63

Arm/disarm via CMS: #97

Arm/disarm via home arm key or arm key in panel: #98

Auto arm/dsiarm via auto timer or key zone: #99

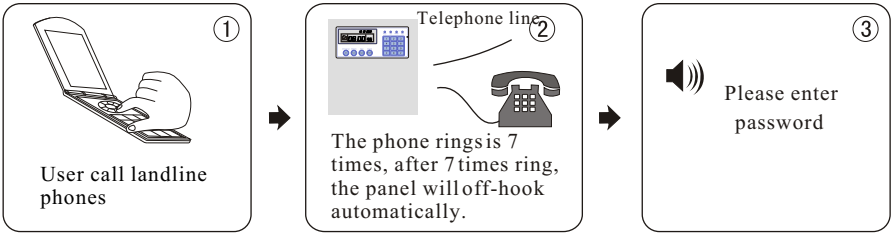
3.5 Alarm procedure



Chapter IV Voice alarm receiving and GSM control

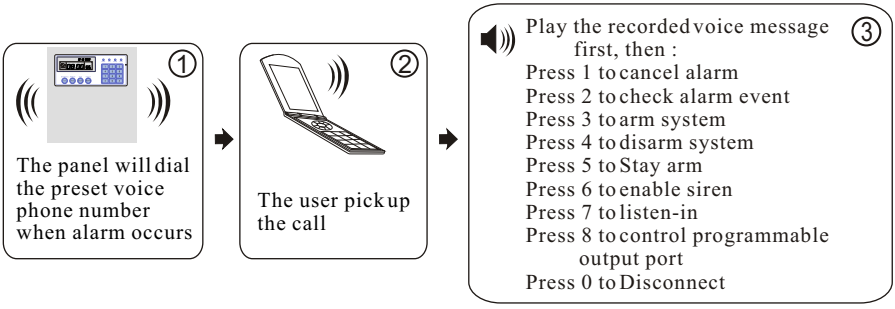
4.1 Remote phone control

User can remote control the system by phone call, after the preset ringing times then panel will off hook the phone then enter the 4 digit user codes according to voice prompting and operate as per the voice prompting.



4.2 Alarm receiving phone operation

When alram, the panel will dial the pre-set voice phone number, when the user pick up the call, they will hear the voice prompting as below, if not press 1 to cancel the alarm or press 4 to disarm the system, after off-hook, the panel will call other preset voice phone numbers .



4.3 GSM remote operation (talk-back function added)

When alarm occurs, GSM will call the preset voice number, when pick up the call,enter 4 digit user code, then voice prompt: Press 1 to arm system, Press 2 to disarm system, Press 3 to Stay arm, Press 4 to check system status, Press 5 to appliance switch control, Press 9 to talk-back, Press 0 to Disconnect.

4.4 GSM alarm receiving (talk-back function added)

When alarm occurs, it will send SMS first, then call the preset voice number, when pick up the call, it will play the recorded voice message first, then voice prompt: Press1 to cancel alarm, Press 2 to check alarm event, Press 3 to arm system,Press 4 to disarm system, Press 5 to Stay arm, Press 6 to enable siren, Press 7 to listen-in, Press 8 to con trol programmable output port, Press 9 to talk-back, Press 0 to Disconnect.

4.5 GSM control via SMS

Arm command: password:1234 system arm

Disamr command: password:1234 system disarm

Stay command: password:1234 system home

Cancel alarm command: password:1234 system cancel

Status checking command: password:1234 system status

Enable programmable output port command: pasword:1234 pgm open

Disable programmable output port command: password:1234 pgm close

Enable appliance switch command:

password:1234 switch open X(X=1-8 on behalf of appliance switch number)

Disable appliance switch command:

password:1234 switch close X(X=1-8 on behalf of appliance switch number)

Set apn: password:1234 apn:″aaa″

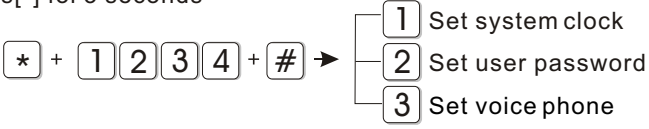
Set ID: password:1234 user: ″bbb″

Set password: password:1234 pwd: ″ccc″

Note: the factory default user code is 1234, when arm successfully, SMS auto reply” arm successfully”, if the password is correct, the command is not correct, SMS will reply” operation failure”, if the password is not correct, no SMS reply.

Chapter IV Voice alarm receiving and GSM control

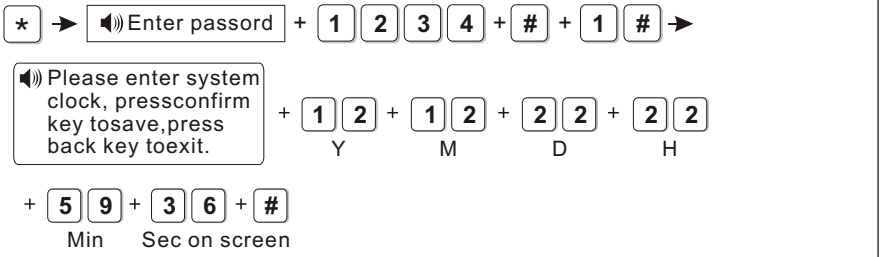
Press[*] for 3 seconds



5.1 Set system clock

For example: set system clock as : 22:59:36 22/12/2012

Press[*] for 3 seconds

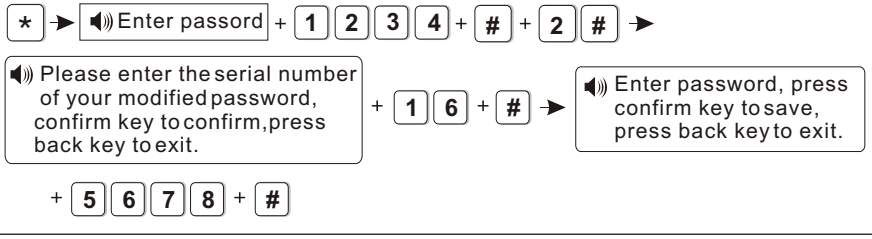


According to flash of Y.M.D.H.Min.Sec on screen, enter 12.12.22.22.59.36 by turn, also can press [UP] [DOWN] key to move cursor.

5.2 Set user password

For example: Set No.16 user pasword as 5678

Press[*] for 3 seconds



Note: Can set 16 user passwords, corresponding password No. from 01 to 16,

Only No.1 password can enter user setting.

5.3 Set voice phone (refer to page 15)

Chapter VI System Setting

Press[*] for 3 seconds

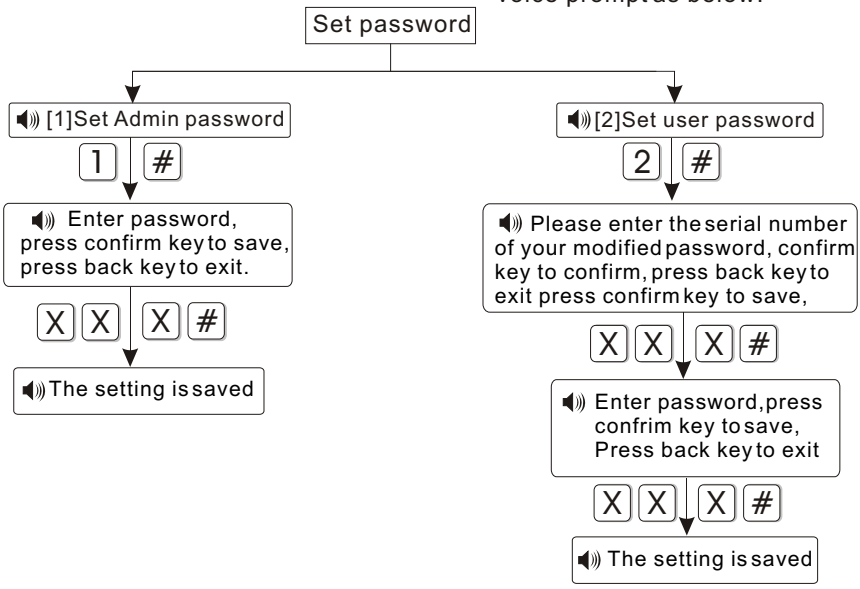
[*] + [0][1][2][3][4][5] + [#] →

- [1] Set password
- [2] Set CMS number
- [3] Set voice phone
- [4] Set system options
- [5] Set wireless devices
- [6] Set zone
- [7] System maintenance
- [8] Set GSM
- [9] Set advanced options

6.1 Set password

Press[*] for 3 seconds

[*] + [0][1][2][3][4][5] + [#] + [1][#] Then operate according to the voice prompt as below.



Note: 1. password setting include "user password" and "administrator password", user password mainly use to disarm the system, it is a private key for remote controlling, "administrator password" is the sole password to set the system.

2.Administrator password is 6 digit, user password is 4 digit, can set 16 user passwords, corresponding password No. from 01 to 16, but No.2-16 password can't enter user setting.

3.If forgot the password, when the alarm is powered on, for the first minute, the administrator password is 000000.

For example: Set admin pasword as 888888

Press[*] for 3 seconds

[*] → Enter password + [0][1][2][3][4][5] + [#] + [1][#] + [1][#]

→ Enter password, press confirm key to save, press back key to exit + [8][8][8][8][8][8] + [#]

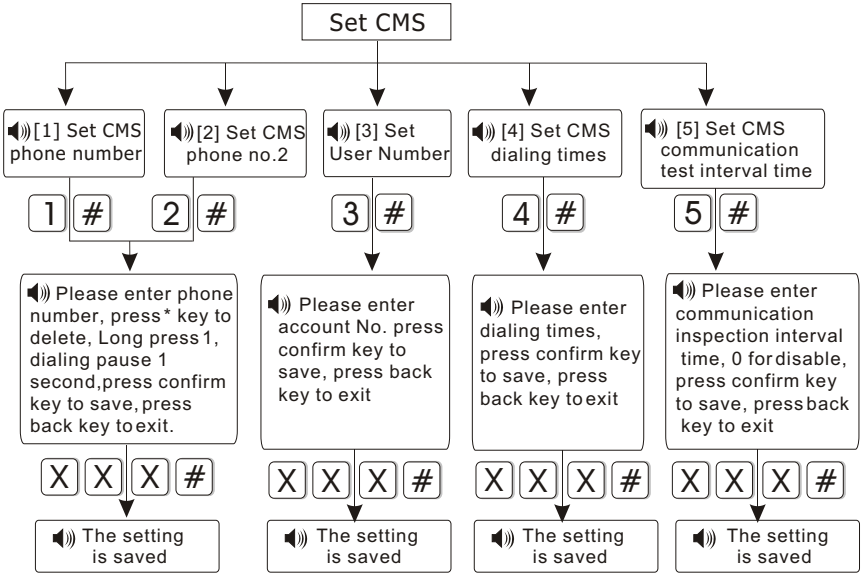
Note: 1.Above base on the correct operation, if incorrect operation occurs, please press back key to back previous menu to reset.

2.The factory default of admin password is 9876, user password is 1234, if you have modified the password, please refer to the new password.

6.2 Set CMS number

Press[*] for 3 seconds

[*] + [0][1][2][3][4][5] + [#] + [2][#] Then operate according to the voice prompt as below:



Note: 1.The user code is the identification code in CMS setting, CMS 1 and CMS 2 use the same user code; dialing times can be set 1-15 , communication inspection interval time can be set 0-999 hours, the common setting is 24 hours.

2.When set phone number, long press 1, display the letter P, means pause 1 second when dialing, when the telephone line which connect to the alarm panel is sub-line, need a pause dialing.

3.For GSM, just recognize the number behind P, can make sure telephone and GSM dial the same number.

For example: the sub-line connect to alarm panel, CMS number is 80808080, in this way, set CMS number like this 9P80808080, 9 is out code.

Press[*] for 3 seconds

[*] → Enter password + [0][1][2][3][4][5] + [#] + [2][#] + [1][#]

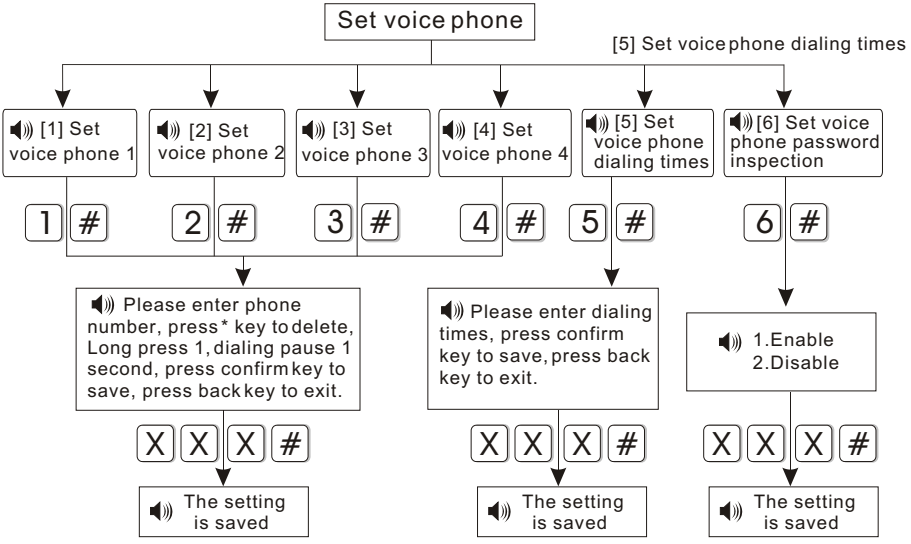
→ Please enter phone number, press * key to delete, Long press 1, dialing pause 1 second, press confirm key to save, press back key to exit. + [9][1][8][0][8][0][8][0][8][0] + [#]

Press[1] key for 3 seconds.

6.3 Set voice phone

Press[*] for 3 seconds

[*] + [0][1][2][3][4][5] + [#] + [3][#] Then operate according to the voice prompt as below:



Note:1.dialing times can set 1-15

2.When panel call user’s phone, if you enable password check, it will prompt enter user password when pick up the call.

For example: Set voice phone No.3 is 12345678

Press[*] for 3 seconds

[*] → Enter password + [0][1][2][3][4][5] + [#] + [3][#] + [3][#]

→ Please enter phone number, press * key to delete, Long press 1, dialing pause 1 second, press confirm key to save, press back key to exit. + [1][2][3][4][5][6][7][8] + [#]

6.4 Set system options

Press[*] for 3 seconds

[*] + [0][1][2][3][4][5] + [#] + [4][#]

- [1] Set system clock
- [2] Set entry delay
- [3] Set exit delay
- [4] Set siren time
- [5] Set ring times
- [6] Set detector loss inspection
- [7] Set arm/disarm tone
- [8] Set arm/disarm report
- [9] Set others

6.4.1 Set system clock

For example: Set system time to 22:59:36 22/12/2012

Press[*] for 3 seconds

[*] → Enter password + [0][1][2][3][4][5] + [#] + [4][#] + [1][#] →

Please enter system clock, press confirm key to save, press back key to exit. + [1][2] (Y) + [1][2] (M) + [2][2] (D) + [2][2] (H) + [5][9] (Min) + [3][6] (Sec on screen) + [#]

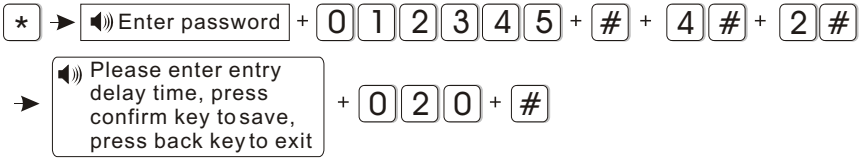
According to flash of Y.M.D.H.Min.Sec on screen, enter 12.12.22.22.59.36 by turn, also can press [UP] [DOWN] key to move cursor.

6.4.2 Set entry delay

When trigger alarm, the panel will give delay alarm time(default setting is 10s)

For example: Set entry delay to 20seconds

Press[*] for 3 seconds



Enter 3 digit number from 0-255, add 0 if less than 3 digit.

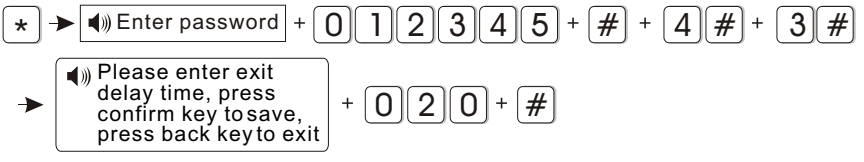
Note: Entry delay is just effective for delay zone. Other zone types can't enter delay.

6.4.3 Set exit delay

After user armed the system, it is convenient for user to exit the area after arm successfully.(the default setting is 10seconds)

For example: Set exit delay time is 20s

Press[*] for 3 seconds

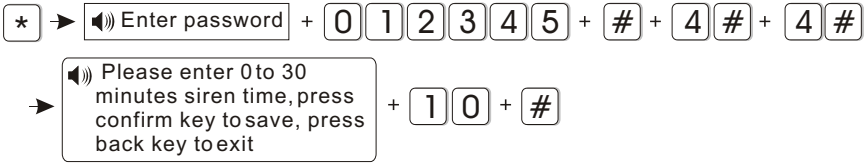


Enter 3 digit number from 0-255, add 0 if less than 3 digit.

6.4.4 Set siren time :The siren ring time after alarm is triggered(the default setting is 5 minutes)

For example: Set siren time is 10 minutes

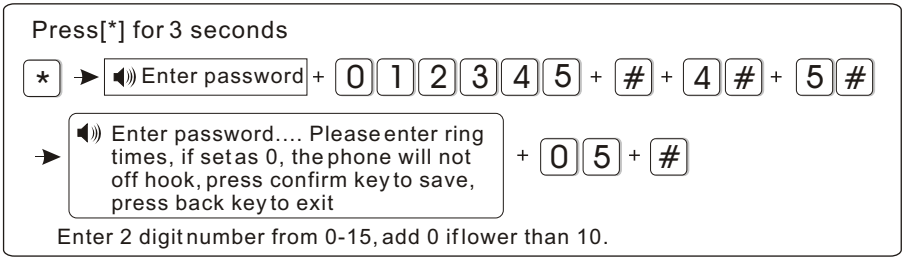
Press[*] for 3 seconds



6.4.5 Set ring times

User remote control alarm panel, dail the preset phone number, the panel will off-hook after phone ring times(the default setting is 7 times)

For example: Set ring times is 5

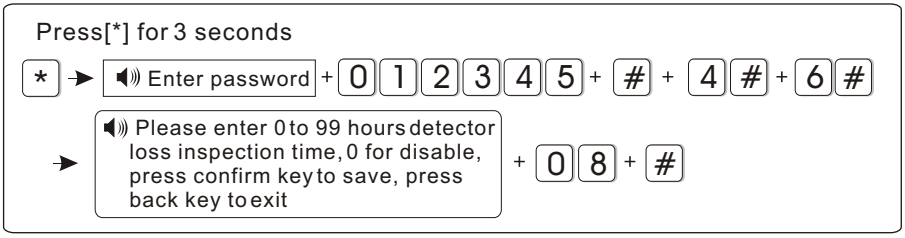


Note: The max. Ring times as per the local communication, if set 0, not off-hook.

6.4.6 Set detector loss inspection

The alarm panel will inspect the detectors' status or alarm info in this time interval, if not receive, it is determined that the detector is loss, the general setting is not less than 6 hours(the default setting is 0, disable this function)

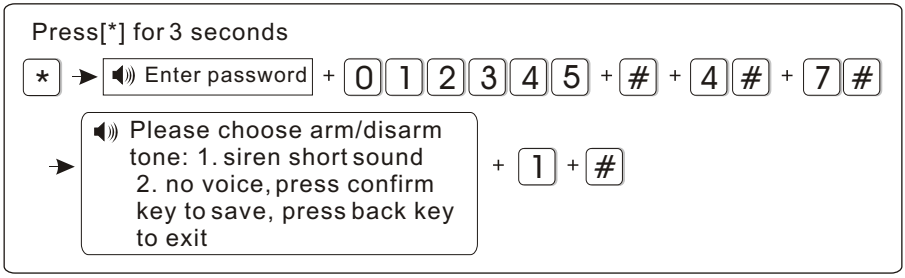
For example: Set detector loss inspection time is 8 hours.



6.4.7 Set arm/disarm tone

When user arm/disarm the system through remote control, if siren will sound or not for prompting.(the default setting is disabled)

For example: Set siren with short sound when arm/disarm through remote control.



6.4.8 Set arm/disarm report

Set if arm/disarm report to CMS or not(the default setting is disabled)

For example: Set arm/disarm report to CMS

Press[*] for 3 seconds

[*] → Enter password + [0][1][2][3][4][5] + [#] + [4][#] + [8][#]

→ Please choose arm/disarm report: 1. enable, 2. disable, press confirm key to save, press back key to exit + [1] + [#]

6.4.9 Set others

[*] + [0][1][2][3][4][5] + [#] + [4][#] + [9][#] →

- [1] Set emergency alarm siren type
- [2] Set AC off inspection time
- [3] Enable magnetic contact inspection
- [4] Check wireless detector tamper
- [5] Set force arm
- [6] Set telephone line disconnect remind
- [7] Set zone alarm times
- [8] Set listen-in time
- [9] Set AC off remind

6.4.9.1 Set emergency alarm siren type(the default setting is mute)

For example: set emergency alarm siren type is pedal point.

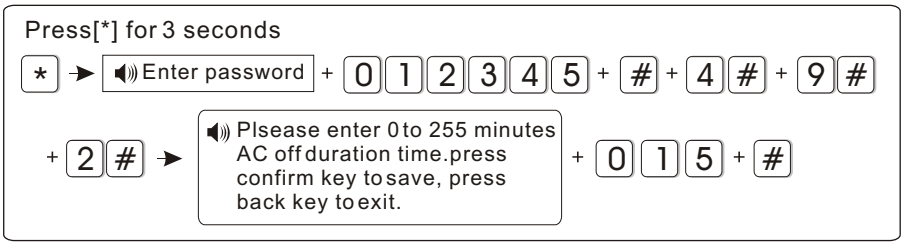
Press[*] for 3 seconds

[*] → Enter password + [0][1][2][3][4][5] + [#] + [4][#] + [9][#]

+ [1][#] → Please choose zone siren type: 1.pedal point 2.pulse tone 3. mute, press confirm key to save, press back key to exit + [1] + [#]

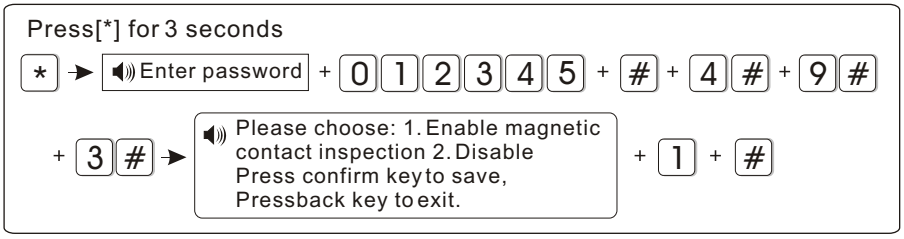
6.4.9.2 Ac off inspection time setting. When the AC power is off, delay to report to CMS(factory default delay time is 30 min)

Example：set AC off inspection time as 15 min



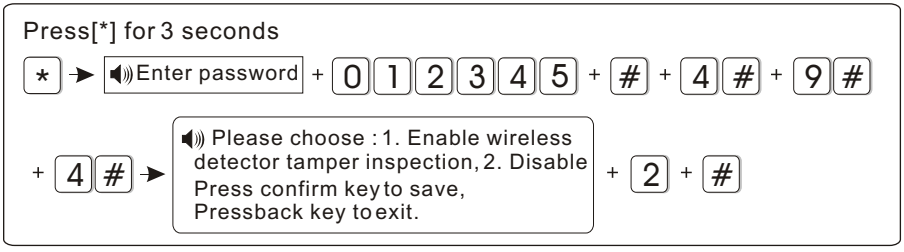
6.4.9.3 Magnetic contact inspection: Set if the alarm panel show zone trouble on LCD screen or not when sperate the magnetic strip from transmitter. (Factory default disable the inspection)

Example: enbale the magnetic contact inspection



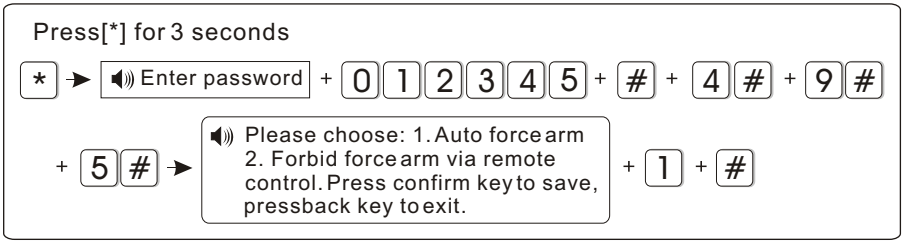
6.4.9.4 Check wireless detector tamper: if the enable the checking when trigger the detector’s tamper , will trigger alarm. If disable the checking, it will not trigger alarm.(factory default enable the checking)

Example: disable the checking of wireless detector tamper.



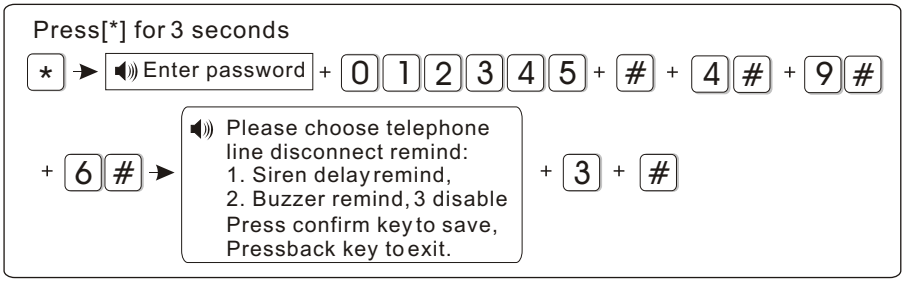
6.4.9.5 Set force arm: if enabel set force arm, when there is zone trouble, the system can be armed and report the trouble zone’s bypass message to CMS. If disable the force arm, the system can not be armed(factory default is disable forem arm)

Example: enabel force arm



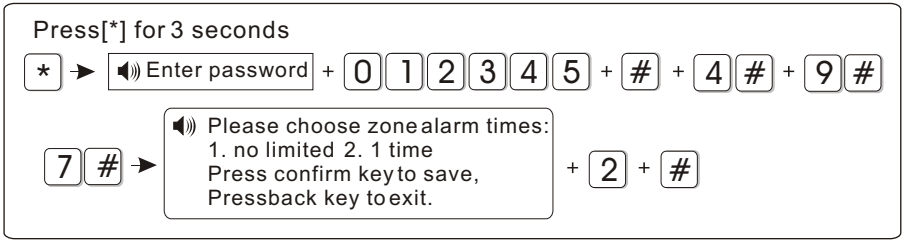
6.4.9.6 Set telehpone line disconnect remind(factory default delayed siren sound remind)

Example : disable telephone line disconnet remind



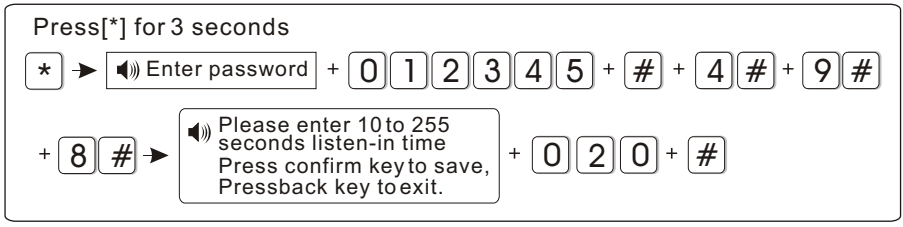
6.4.9.7 set zone alrm times: if set the alarm alarm times as 1, when zone start alarm but the zone is trigger one time again, the panel will not make alarm.

Example： set zone alarm times as 1 time



6.4.9.8 set listen-in time(factory default 10 sec)

Example: set listen-in time as 20sec



6.4.9.9 Set AC off remind（factory default remind by SMS）

Example：disable AC off remind

Press[*] for 3 seconds

[*] → Enter password + [0][1][2][3][4][5] + [#] + [4][#] + [9][#] + [9][#] →

Please choose AC off remind:
1. SMS remind 2. Voice phone remind 3. Disable
Press confirm key to save,
Press back key to exit.

+ [3] + [#]

6.5 manage wireless device

Press[*] for 3 seconds

[*] + [0][1][2][3][4][5] + [#] + [5][#] →

- [1] Set remote control
- [2] Set detectors
- [3] Set appliance switch
- [4] Enroll wireless siren
- [5] Set door bell

6.5.1 set remote control

Press[*] for 3 seconds

[*] + [0][1][2][3][4][5] + [#] + [5][#] + [1][#] →

- [1] Enroll remote control
- [2] Enter remote control code
- [3] Delete remote control

6.5.1.1 enroll remote control

Example: enroll remote to the #3 remote in alarm panel

Press[*] for 3 seconds

[*] → Enter password + [0][1][2][3][4][5] + [#] + [5][#] + [1][#] + [1][#] →

Please enter the serial number of remote control
Press confirm key to save,
Press back key to exit.

+ [3] + [#] →

Please trigger the remote control
Press back key to exit.

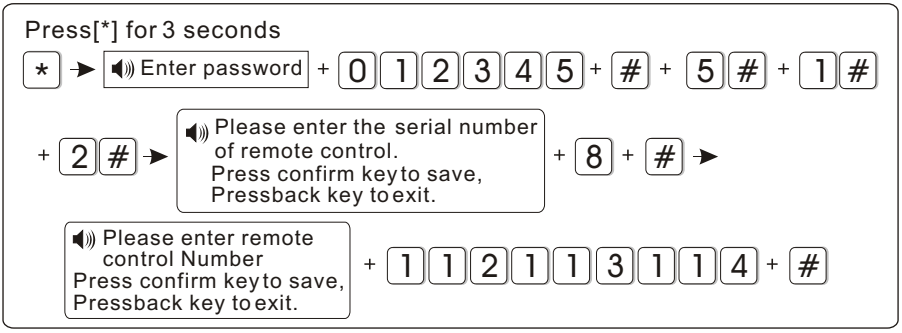
→  →

Enroll successful + [#]

Trigger arming key on the remote control

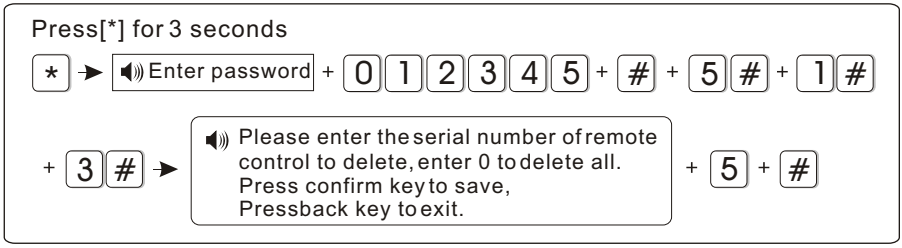
6.5.1.2enter remote control code

Example: manaul enter the address code of remote 112113114 to the #8 remote in alarm pa



6.5.1.3 delte remote control

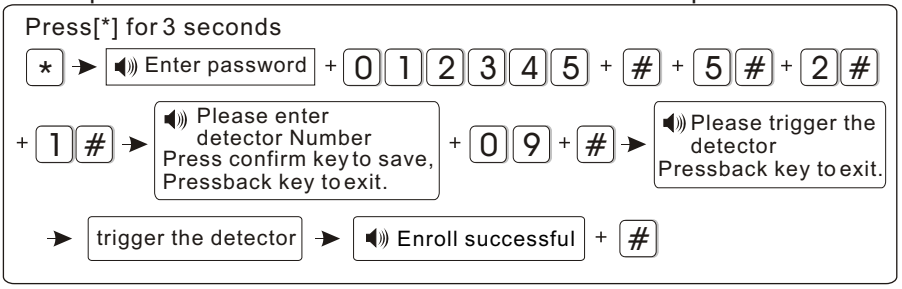
Example: delete the# 5 remote



6.5.2 set detector

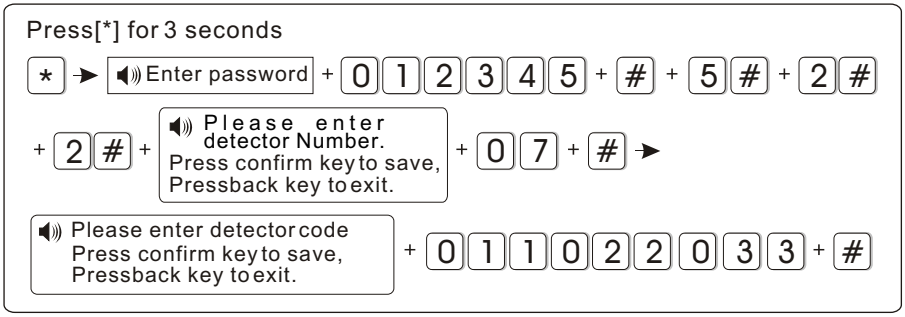
6.5.2.1 detector coding

Example: auto code detector to # 9 detector in alarm panel



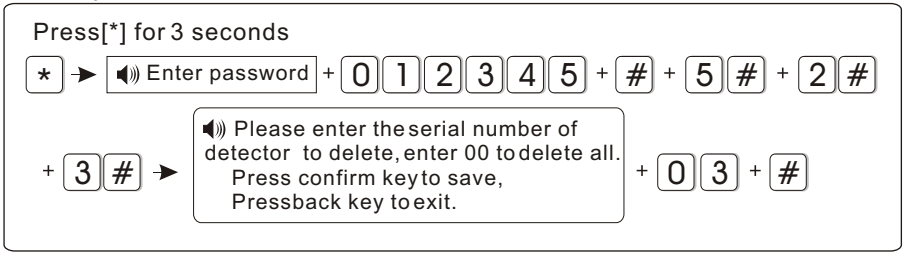
6.5.2.2 enter detector code

Example: manual enter the address code of detector 011022033 to the # 7 detector in alarm panel



6.5.2.3 delete detector

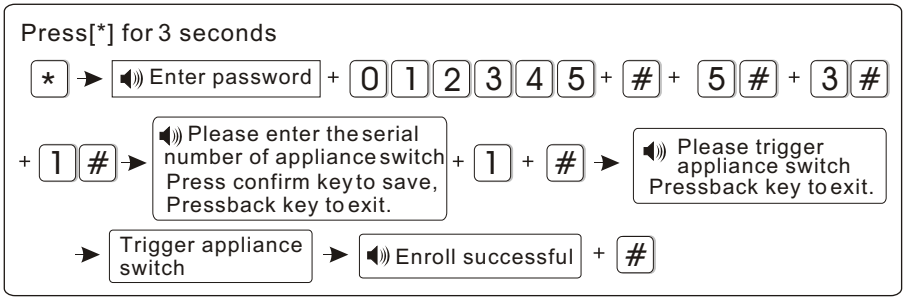
Example: delete the # 3 detector



6.5.3 set appliance switch

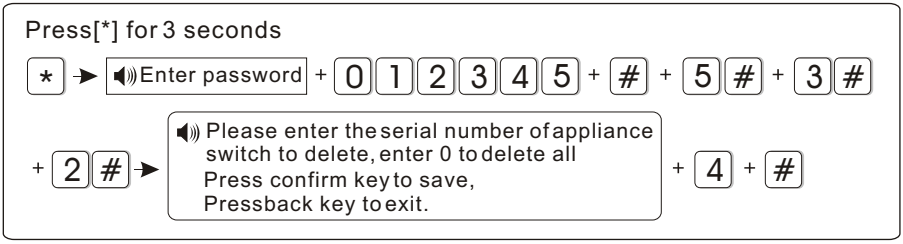
6.5.3.1 enroll appliance switch

Example: auto the appliance to the # 1swith in alarm panel



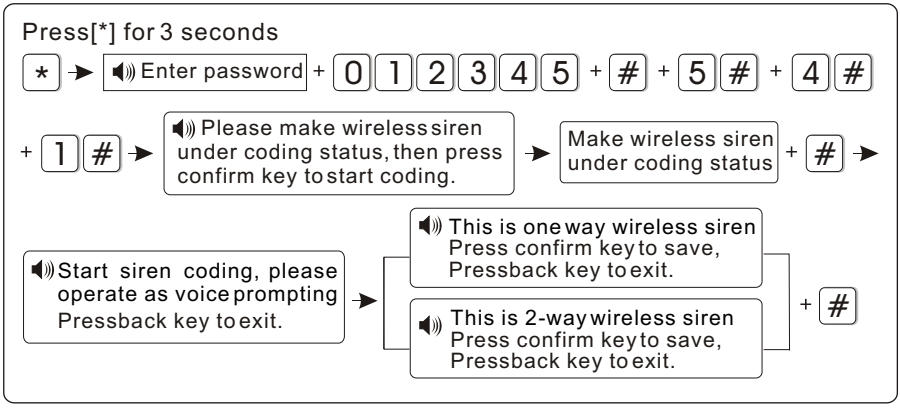
6.5.3.2 Delete appliance switch

Example: delete the #4 appliance switch



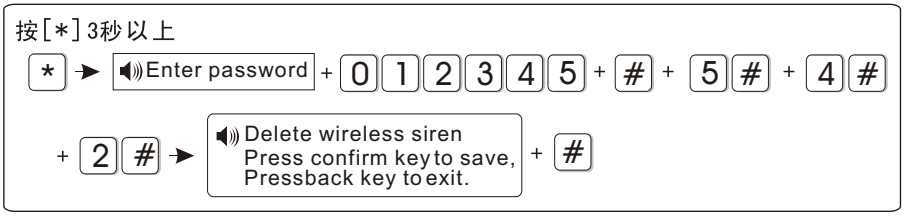
6.5.4 Enroll wireless siren

6.5.4.1 Enroll wireless siren



NOTE: when dual-way wireless siren make tamper alarming, the LCD screen of alarm panel will display zone 41 alarming.

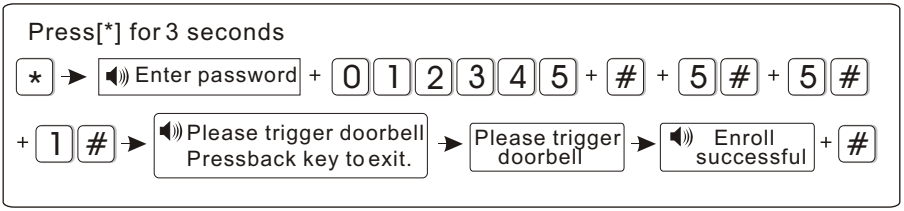
6.5.4.2 Delete wireless siren



Note: It is dual-way wireless siren deleted.

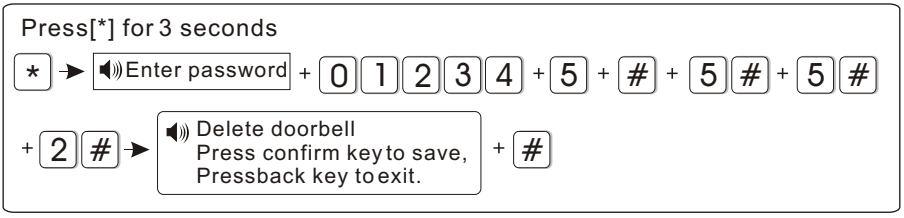
6.6.5 Set door bell

6.5.5.1Enroll doorbell

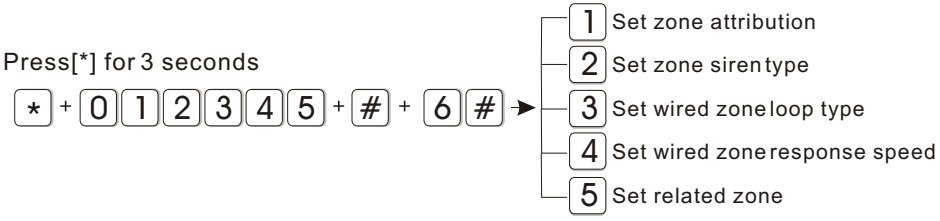


Note: can only learn a wireless doorbell, the trigger will be issued after the chink

6.5.5.2 Delete doorbell



6.6 Sector Settings



6.6.1 set zone attribution

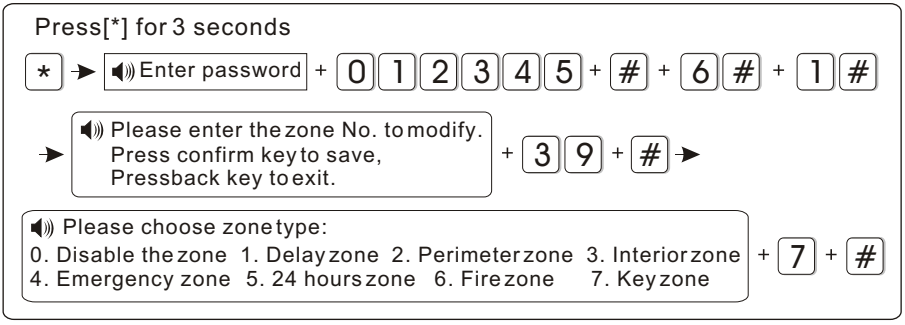
The type of zone attributuion is as below:

0)disable zone	1> delay zone	2> perimeter zone
3>inerior zone	4>emergency zone	5> 24 hours zone
6>fire zone	7> key zone	

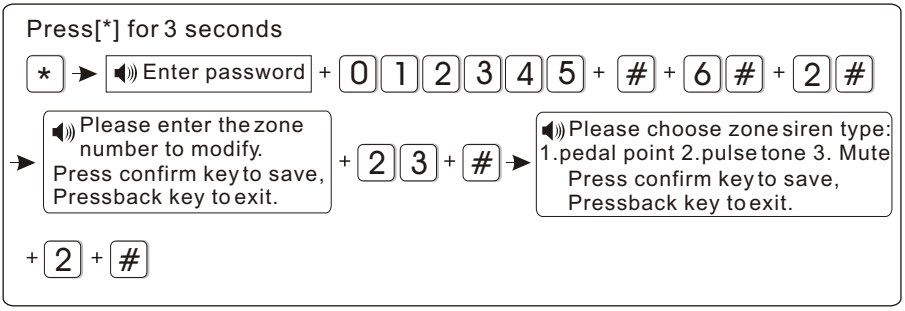
1.Zone attribution is the alarm type of the zone display on the alarm panel, s LCD screen when the zone is triggered. When set the zone attribution as 0 is to disable the zone. The alarm panel will not make alarm when trigger this zone.

2.interior zone only trigger alarm when the zone is triggered under system at armed status.
3.delay and perimeter zone trigger alarm when the zone is triggered under system at armed or home arm status.
4.emergency zone, 24 hours zone, fire zone will trigger alarm when system at any status
5.wirelss zone can not set key zone type. When wired zone is set as keyzone, trigger the zone, system turn to disarm status. The zone restore, system turn to armed status. This is for access contron system.

Example: set zone 39 as keyzone type

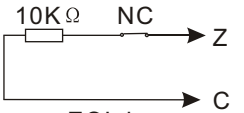


6.6.2 set zone siren type(factory default is pefal point)
Example set zone 23’s siren type as pulse tone

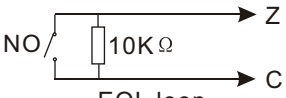


6.6.3 set wired zone loop type(factory default EOL)
The options is as below:

1>EOL loop type: when the resistor value is 10k on the zone is normal, when the zone is open loop or shortcut trigger alarm
2>N/C loop type: zone shortcut is normal, open loop trigger alarm
3>N/O loop type: zone open loop is normal, shortcut loop trigger alarm



EOL loop
N/C wiring diagram



EOL loop
N/O wiring diagram

Example: set zone 35 as N/O loop type

Press[*] for 3 seconds

[*] → Enter password + [0][1][2][3][4][5] + [#] + [6][#] + [3][#]

→ Please enter the zone number to modify
Press confirm key to save,
Press back key to exit.
+ [3][5] + [#] → Please choose loop type:
1.EOL 2.N/C, 3.N/O
Press confirm key to save,
Press back key to exit.

+ [3] + [#]

6.6.4 set wired zone response speed(factory default is 500 millisecond)

Press[*] for 3 seconds

[*] → Enter password + [0][1][2][3][4][5] + [#] + [6][#] + [4][#]

→ Please enter the zone numbEr to modify
Press confirm key to save,
Press back key to exit.
+ [4][0] + [#] → Please choose loop response speed: 1. 500ms,
2. 10ms
Press confirm key to save,
Press back key to exit.

+ [2] + [#]

Note: Normall the detector’s response speed is 500 millisecond, high speed response detector like vibration detector is 10 millisecond

6.6.5 set related zone: zone 1+zone 2+related time+mode

The options as belows

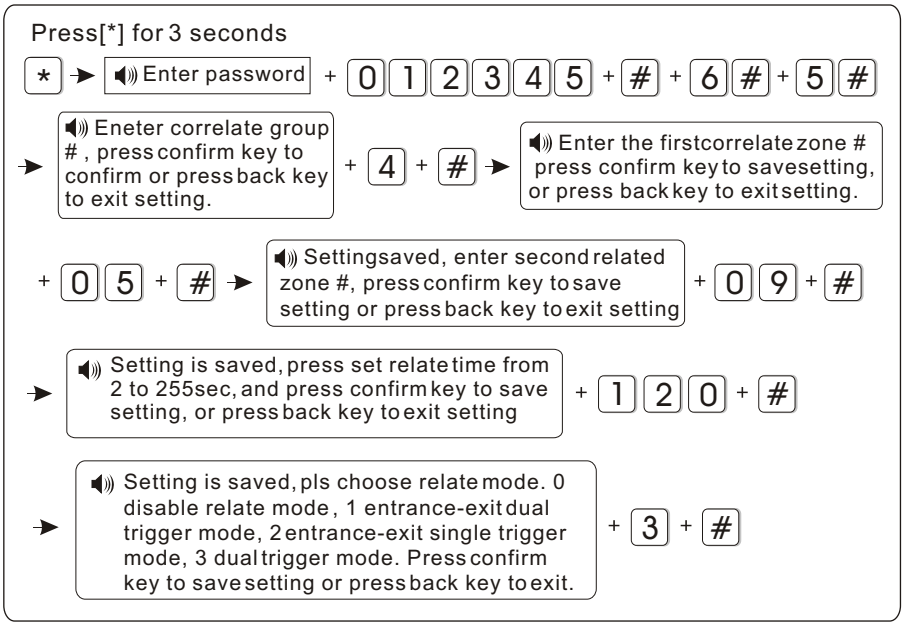
0>disable related zone mode

1>EXIT-ENTRANCE dual trigger mode: trigger zone 1 or 2 seperately will not trigger alarming. Trigger zone 1 first, then during the period of related time trigger zone 2, then both zone 1 and 2 trigger alarm. Trigger zone 2 first, then trigger zone 1 will not trigger alarm.

2>EXIT-ENTRANCE single trigger model: trigger zone 1, zone 1 make alarm. Trigger zone 2 first, then during the period of related time trigger zone 1, do not make alarm. Trigger zone 2, then do not trigger zone 1 during related time, then zone 2 make alarm.

3> Dual trigger alarm mode: trigger zone 1 or zone 2 only do not make alarm. During related time trigger zone 1 or zone 2, then zone 1 or zone 2 make alarm.

Example: set zone 5 and zone 9 as greep #4 dual trigger mode related zone, related time is 120sec.



NOTE: max set 4 group relate zone

6.7 system maintance

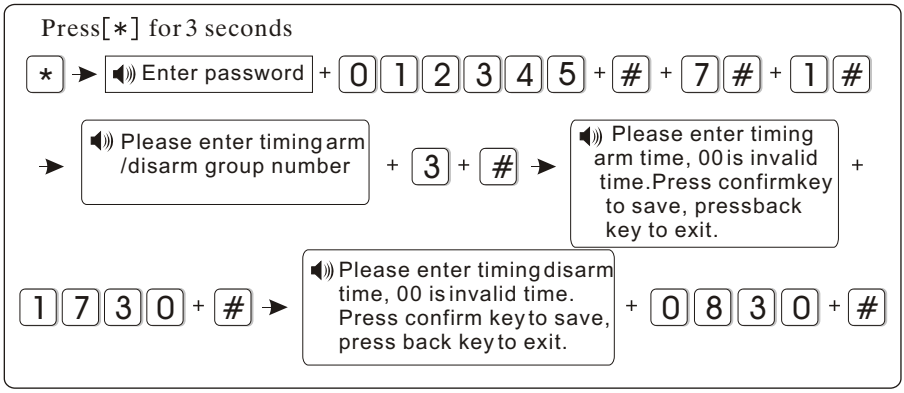
Press[*] for 3 seconds

* + 0 1 2 3 4 5 + # + 7 # →

- 1 Set timing arm/disarm
- 2 Recording
- 3 Play recoreding
- 4 Set programmable output port
- 5 Delete system log
- 6 Restore to factory default

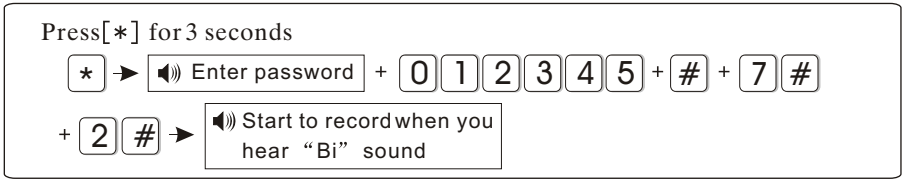
6.7.1 Set timing operation

Example: Set group No.3 as timing disarm at 8:30, and timing arm at 17:30



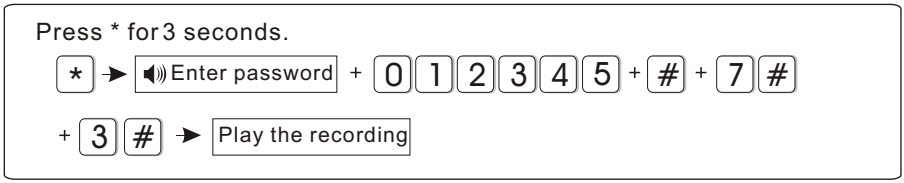
Hint: 4 groups of timing arm/disarm can be set according to the schedule of user.

6.7.2 Recording



Hint: 15 seconds for recording time. And it will play recording as soon as the panel dial to the telephone No.as preset.

6.7.3 Play recording



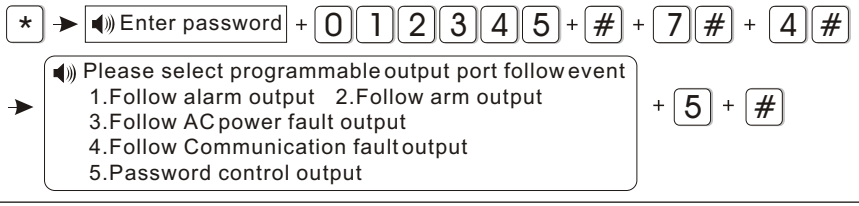
6.7.4. Set programmable output port: the voltage will change from 0V to 14.5V as soon as some events occurs. (Default is follow alarm output)

Trigger events can be set as below

1. Follow alarm output
2. Follow arm output
3. Follow AC power fault output
4. Follow communication fault output
5. Password control output

For example: Set as password control output

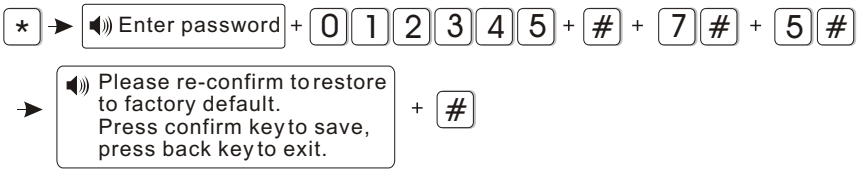
Press[*] for 3 seconds



Hint: when setting as password control output, press key 5 for 3 seconds, then enter the user password, the programme output port will be open or closed. Voice phone or SMS also can open or close the outport.

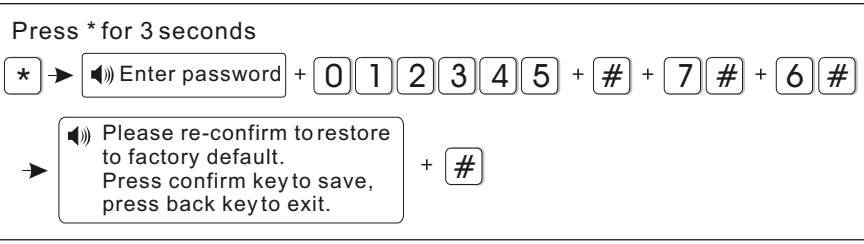
6.7.5.Delete system events

Press[*] for 3 seconds



6.7.6.Restore to factory default

Press * for 3 seconds

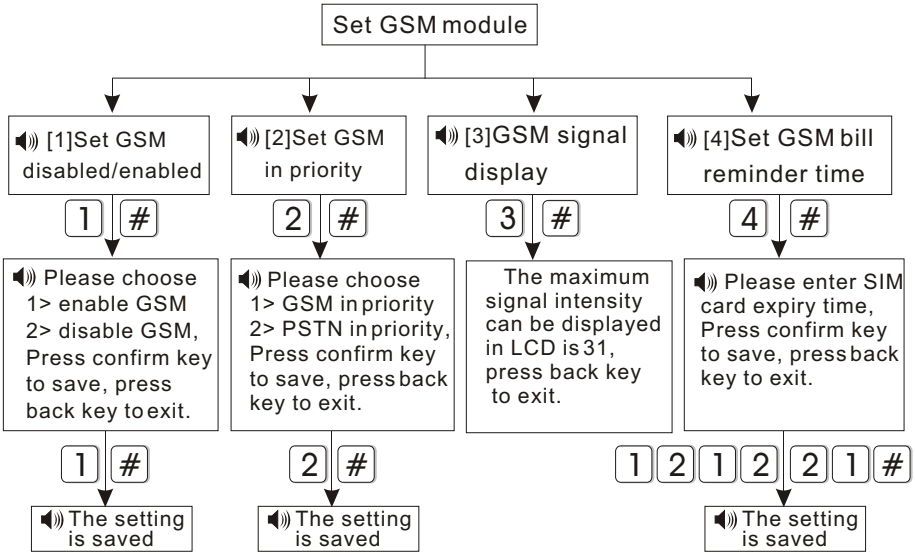


6.8. Set GSM module

Press[*] for 3 seconds

* + 0 1 2 3 4 5 + # + 8 # The voice prompt will instruct you to proceed below operations.

For example: Set enable GSM module, telephone line priority, Set GSM bill reminder time is 21st Dec. 2012.



Hint: The alarm control panel will send SMS to cellphone as preset and remind you to recharge as you set GSM bill reminder time before or after ten days.

6.9 Advanced setting options

Without voice prompt, programme address and the corresponding options as below table.

01	GPRS enable and disable	
02	Set sever IP address	
03	Set sever port	
04	Set user ID	
05	Set user password	
06	GSM SMS language	
07	Delay zone tone source options	
08	Handshake tone input signal intensity	
09	DTMF output signal intensity	
10	Set LCD standby brightness	
11	Alarm event retain time	
50	System 00 zone	7
51	Delay zone	7
52	Perimeter zone	7
53	Interior zone	7
54	24 Hour zone	7
55	Emergency zone	7
56	Fire zone	7
57	Tamper zone	7
58	Sensor low battery	5

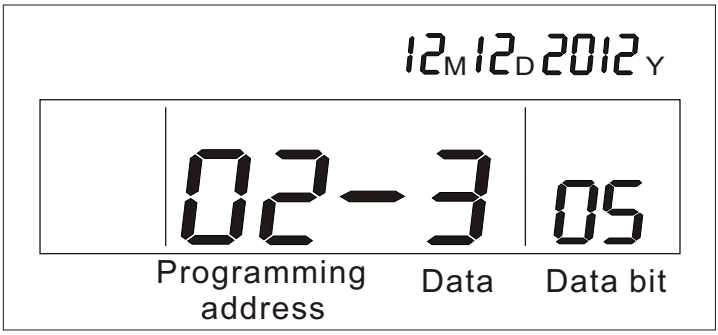
59	Sensor recovery	5
60	Sensor loss	5
61	System low battery	5
62	System AC loss	5
63	System AC recovery	5
64	Zone bypass	5
65	Telephone line fault	5
66	Periodic test report	5
67	Wired zone loop trouble	0
68	Wired zone loop recovery	0
69	System battery recovery	0
70	Communication trouble	0
71	Bypass cancel	0
72	Alarm cancel	0
73	Disarm	0
74	Armed stay	0
75	Armed	0
76	Panel programming changed	0
77	System arm failure	5
78	Telephone line recovery	4
79	Communication recovery	4

Programming address 50-79 are correspond to the options for the alarm content, the right of data are factory default.

Set alarm data as below:

0. Do not send any information
1. Only send SMS.
2. Only telephone line
3. SMS+telephone line
4. Only upload to CMS
5. Upload to CMS+SMS
6. Upload to CMS+telephone line
7. Upload to CMS+SMS+telephone line

LCD display direction



Press key up and down to check and modify the different data of the data bit.

6.9.1 GPRS enable and disable（1. Enable 2. Disable default is 2）

For example: set enable GPRS

Press[*] for 3 seconds

[*] → Enter password + [0][1][2][3][4][5] + [#] + [9][#] →

__-_00 + [0][1] + [1] + 01-101 + [#]

LCD display | Programming address | Data | LCD display

Hint: Priority to enable the GSM module before enable the GPRS

6.9.2 Set sever IP address

For example: Sever IP address is 103.59.108.3

Press[*] for 3 seconds

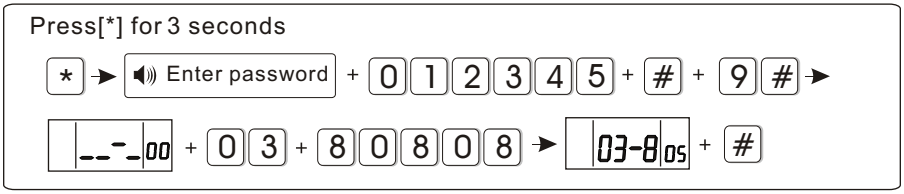
[*] → Enter password + [0][1][2][3][4][5] + [#] + [9][#] → __-_00

+ [0][2] + [1][0][3] + [0][5][9] + [1][0][8] + [0][0][3] → 02-312

+ [#] Less than 3 bits high zero.

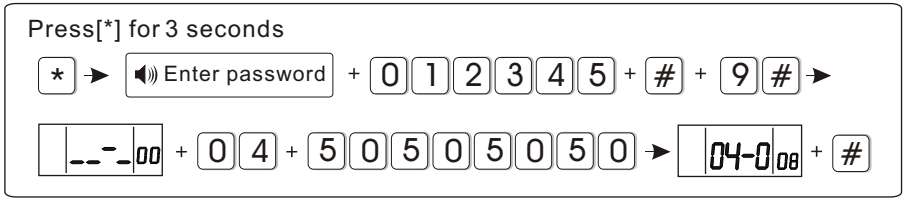
6.9.3 Set sever port

For example: Sever port as 80808



6.9.4 Set user ID

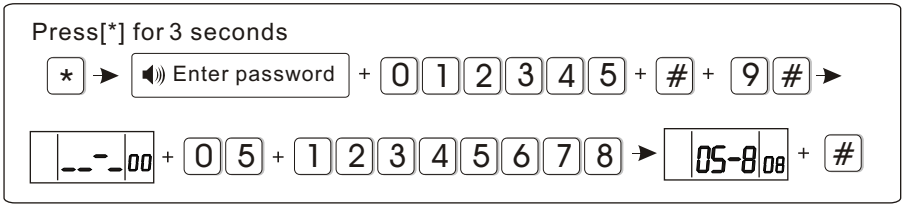
For example: User ID as 50505050



User ID must be 8 bits

6.9.5 Set user password

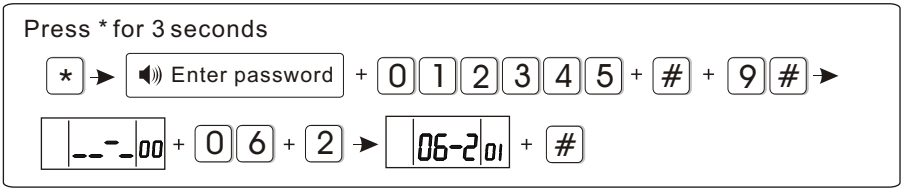
For example: User password as 12345678



User password must be 8 bits

6.9.6 GSM SMS language（1. Chinese 2. English Default is 1 Chinese）

For example: Set GSM SMS language as English

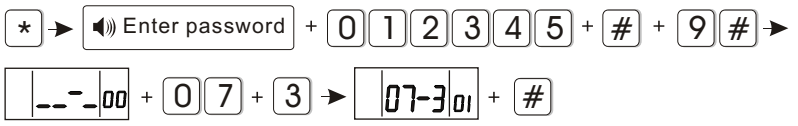


6.9.7 Delay zone tone source options

1. Dingdong 2. Welcome 3. Recording 4. Didi

For example : Delay zone tone source as recording

Press[*] for 3 seconds

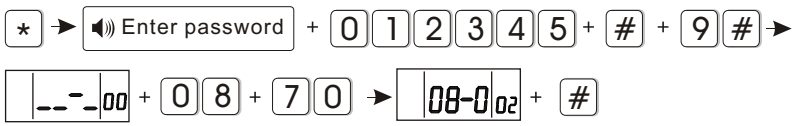


Hint: In disarm mode, once delay zone triggered and above 4 voices will be generated. press key 4 for 3 seconds and input the user password can be open and close it.When the tone source is recording mode, the voice phone will not play the recording.

6.9.8 Handshake tone input signal intensity (default is 60)

For example: set it as 70

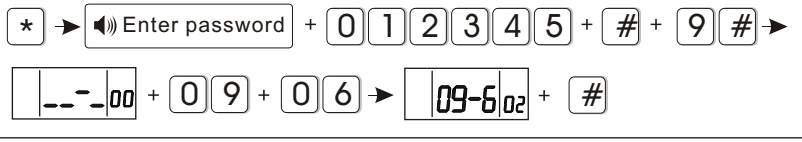
Press[*] for 3 seconds



6.9.9 DTMF output signal intensity（The default is 04）

For example: set the DTMF output signal strength to 06

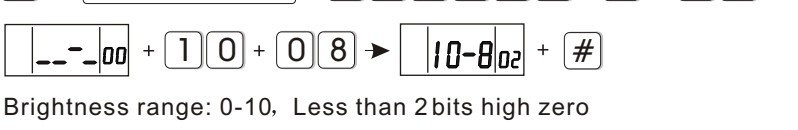
Press[*] for 3 seconds



6.9.10 Set LCD standby brightness (default is 02)

For example: Set it as 22

Press[*] for 3 seconds



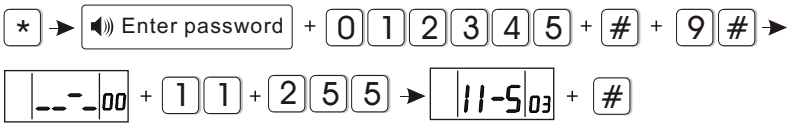
Brightness range: 0-10，Less than 2 bits high zero

6.9.11 Alarm event retain time

When telephone line and GSM all fault, the alarm event will be retained in the preset time. Otherwise it will loss. After telephone line and GSM recovery, it will upload to the CMS. (default time is 10 mintus).

For example: set the alarm information retention time is 255 minutes

Press[*] for 3 seconds



Retain time :1-255 mintus.Less than 3 bits high zero.

Chapter VII technical specification

7.1 General data

1.Power supply: AC 220V
2.Built in rechargeable battery:12V
3.System static current: <50mA(exclude wireless detector)
4.System alarming current: <300mA(exclude wireless high siren current)
5.System maximum output current: ≤100mA(supply wireless detector)
6.Frequency:433MHz/868MHz
7.Signal transmit distance: 100 to 150 meters (open area)
8.The method of alarming dial: DTMF GSM or GPRS
9.Communication protocol with CMS: Ademco Contact ID
10.DTMF dial frequency variation:,1.5%
11.Recording time:15s

7.2 Physical performance

Operation temperature range: 0℃-45℃(32F-120F
Storage temperature range: -20℃-60℃(-4F-140F)
Relative humidity: 85% at 30℃(86F)
Color: as box indicated.

Chapter VIII maintenance

8.1 Regular test

Design of components of the system is to reduce maintenance cost, but still it is suggested that periodical check may be carried out.

8.2 The cleanliness of control main machine

Main control panel may be stained by fingers or covered by dust after using for a while. Use soft cotton cloth or sponge to clean it, don't use any lubricant, liquid such as kerosene, acetone and strong gel which will damage appearance and the transparency of top window.

Attention: don't use any lubricant, liquid such as kerosene, acetone and strong gel which will damage appearance and the top transparency of window.

Chapter VX limitation of the products

Although the products is a high standard products, there is also some limitation of them such as false alarm or no alarm. The reasons may be below:

Lack of maintenance, the system needs maintenance and test regularly test the sensitive of the detector may decrease and the siren may not whistle.Lack of power supply if no power input and the back up power is not enough, the panel can not work normally.Telephone line false, if the telephone line is cut, the panel could not send alarm signals. Limitation of smoke detectors, if the smoke is far from the smoke detector, the detector could not alarm.If the intrude break in through some door or window not monitored. Or someone know how to make the system not work.