

FC-300

USER MANUAL

ANTI-THEFT ALARM CONTROLLER

This manual is for reference only and will not be notified
if there is any version update.

P/N: 21201201B01

Brief

Dear customer:

Congratulations on purchasing your new security system. Thank you for the confidence you have shown in us. You have chosen a high-quality

product that has been produced, tested and packed with the greatest care. Please familiarize yourself with these instructions before attempting operation. We are sure that it is fitted properly. We hope your new security system will bring you lasting pleasure.

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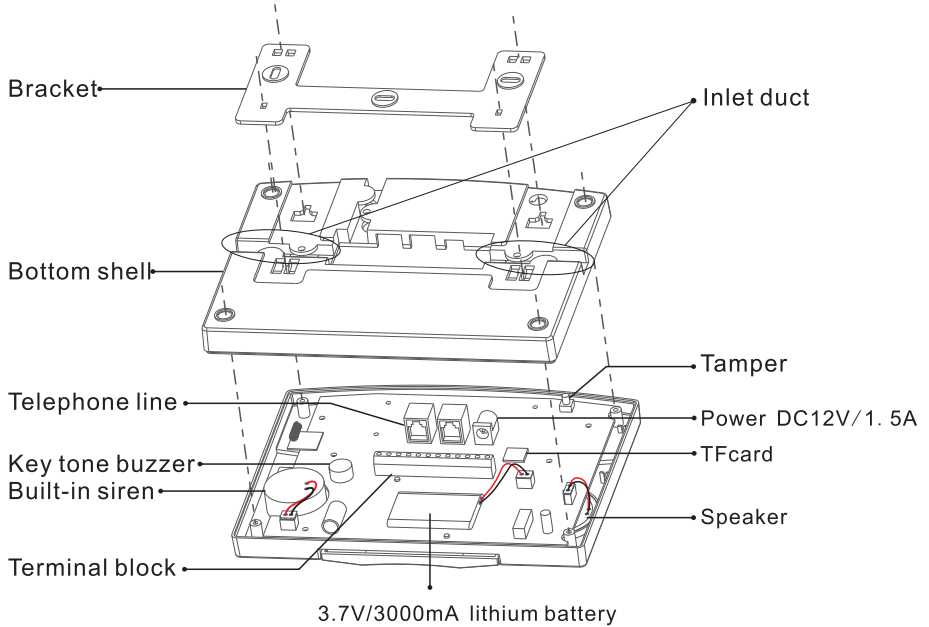
Chapter I Introduction

1. The full English voice prompting operation: all local or remote operation, alarm information, event log view.
2. Phone off-hook and voice phone with intercom function
3. All alarm information can be programmed for the following settings:
0 does not send any information 2. Only call users 4. Only the center
6. Transmission center + call user
4. Sleep mode: Under sleep mode, all the lights, voice and remind tone are disabled.
5. The associated zone: 4 groups associated zone, three kinds of association patterns, can effectively reduce false alarm or for other functions.
6. The doorbell Audio Optional:
1. Ding Dong 2 Welcome 3. Recording 4. Dee-Dee~
7. 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.
8. 32 Wireless zones, each wireless zone can automatically learn the codes or be coded manually via the keyboard.
9. 8 wired zones, User can set the circuit type and speed of response, support N.O, N.C.
10. Enable enroll total 8 wireless remote, 8 electronic switch, 1 pc of wireless doorbell and Unlimited for quantity of one way wireless siren.
11. Alarm telephone number: two for CMS, four for private alarm receiving.
12. Remote phone operation: remote dialing can be done through the phone, and after password verification, operations such as arming, disarming, indoor movement monitoring, system status query, and electrical switch control can be performed.
13. Status inspection function: Enable record and inquiry 150 alarm event messages. Like the time when happens anti-tam per alarm, detector alarm, telline off, arm, disarm, system setting, battery low volt age etc. And also can inquiry the zone number and alarm type.
14. Timing arm and disarm: 4 sets of timing arm and disarm time. Unattended automatic arming and disarming according to the set time.

15. Electrical switches control: It can be controlled remotely by telephone, or it can be manually controlled by the host to open and close the electrical switch.
16. Zone programmable: factory preset for each zone type. Users can modify all the zone type according to the actual needs .
17. Clock: The current time can be set.
18. 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.
19. Alarm recognition: After triggering an alarm, the alarm zone number will be displayed on the LCD screen.
20. The alarm receiving mode is optional: it can be used by a single machine and a single household, and the alarm is received by ordinary telephones; the alarm center and ordinary telephones are automatically recognized and compatible.
21. Anti-vandalism alarm: cutting the connection line between the wired detector and the main unit will trigger the alarm in the defense zone; cutting the telephone line connected between the main unit and the main unit will automatically trigger the on-site high-pitched siren and alarm.
22. The tampering alarm: When someone deliberately dismantled the panel, it will alarm when triggering tamper switch at the back of the panel.
23. Siren options: Built-in siren, external wired siren, Wireless siren. All sirens can be programmed as enabled/disabled when alarms.
24. The voice speaker volume adjustment: The volume can be set by entering the advanced option settings through operation.
25. Wireless repeater function: can extend the distance between the detector and the panel by adding a wireless repeater of our company.
26. The wireless detector low battery prompted: Detectors will send status report to the panel every 1 to 3 hours, when the detector battery is undervoltage, the LCD screen will display the corresponding zone number to remind the user.

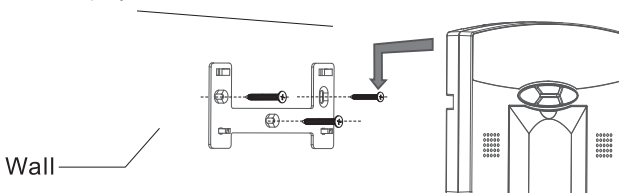
Chapter II Structure and Installation

2.1 Diagram of the internal structure of the device



2.2 Host installation

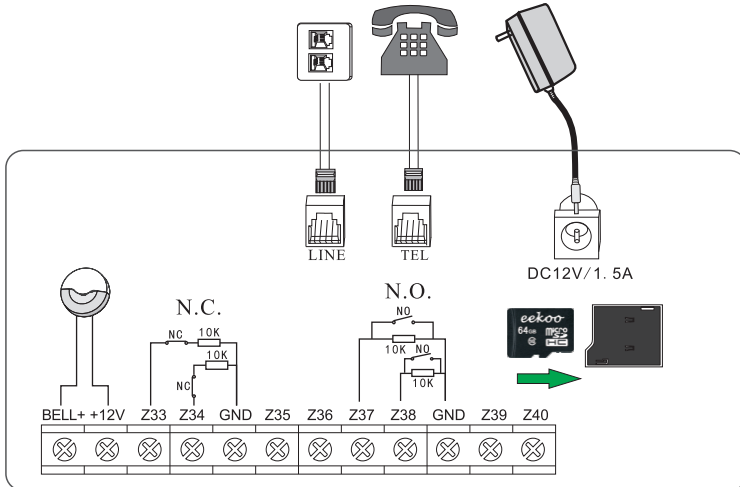
1. Fix the bracket on the wall, align the host with the bayonet and push it down until it is tight.
2. Do not place large metal objects around the host, so as not to affect the signal reception of the wireless detector.
3. When placing the host, be sure to pay attention to the signal receiving problem of the detector, place it within the transmitting distance of all the detectors, and pay attention to its concealment.



2.3 Equipment wiring

(wired defense zone supports normally open and normally closed detectors)

The external equipment of the host is shown in the figure:



In the figure, only 33, 34, 37, and 38 are listed for the defense areas, and the other defense areas can be deduced by analogy.

2.4 Insert TF card

Push in the metal face down and the groove outward, and it will automatically pop out when you press it inward when taking it out.

Note: TF card is used for program upgrade, users should not insert it privately, if you need help, please contact your seller.

2.5 Install the wired detector

2.5.1 The wired defense zone is disabled by default when it leaves the factory. When you want to use the wired defense zone, please change the zone status setting to valid. When the wired defense zone is faulty and the system is armed, the voice prompt "operation failed, defense zone failure" will be displayed, and the faulty defense zone will be displayed on the screen. At this time, the arming operation is prohibited, unless forced arming is allowed.

2.5.2 The total load current supplied by the host to the detector shall not exceed the maximum current ($\leq 100\text{mA}$) when the host outputs a DC 12V. When exceeding, the detector needs to be equipped with a DC power supply to supply power to the detector.

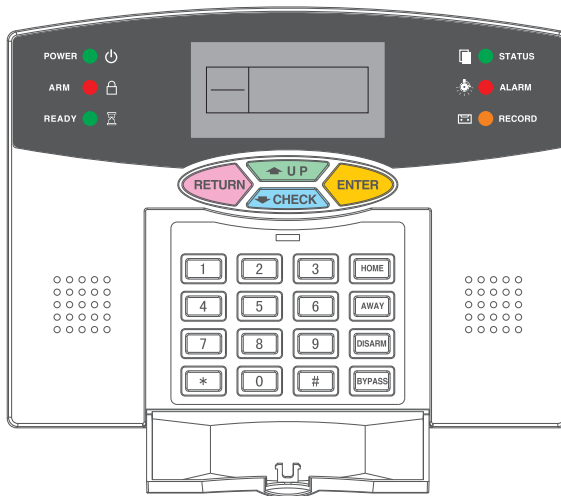
2.6 Install wireless detector

2.6.1 According to the description of the detector manual, install the detector aligned with the host in an open area within 150 meters from the host. After installation, a walk test must be performed to ensure that the detector and the host can work normally.

2.6.2 Wireless relay relay function: When the alarm host and the wireless detector cannot reliably receive the signal sent by the wireless detector due to the long distance or the wall covering, etc., the wireless transponder produced by our company can be used to achieve wireless Signal long-distance relay launch.

Chapter III Keybad and Operation

3.1 About panel



- 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 enable or disable delay zone doorbell(Refer to page 32)
- 5 : Press 3 seconds then enter user code to enable
- 6 : Press 3 seconds to enter or exit sleep mode.
- 7 : Press 3 seconds then enter user code to enable or disable electrical switch.
- 8 : Press 3 seconds then enter user code to bypass zones or activate zones.
- 9 : Press 3 seconds then enter user code to proceed normal testing, siren testing and walk testing.

Sleep mode: all led indicators, voice, remind tone will be disabled under sleep mode, The panel will exit sleep mode automatically 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 and the CMS if normal

Siren test: to test if siren working normal

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

Indicator light	light color	light description
Power light	green light	always on when power on, go out when power off
Armed light	Red light	always on when armed, flashing when staying behind, and off when disarming
Ready light	green light	always on when disarmed, and off when armed/stay
Status light	green light	the green light is always on under normal conditions, and it is off when the device fails
Alarm light	red light	flashing when alarming
Recording light	yellow light	always on when entering the recording state, and off when exiting

3.2 Basic operation

Note: You can enter user settings and engineering settings under the disarmed state!

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 until user set the password.

Disarm: User password[1234]+DISARM

Home arm: Home arm key

Arm: Arm key

Event log: Press up and down keys to view event records

Bypass: Press the bypass button, the voice prompt "Please enter password", enter the user password + , and complete the operation according to the voice prompt.

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+ administrator 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 Meaning of LCD icons

Icon	Meaning	Icon	Meaning
	Telephone line	 HOME	Home arm
 ALARM	Voice prompts	 DISARM	Disarm
	Battery power	 AWAY	Arm



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



Blinking means entering sleep mode, when it is off, it means normal voice mode;



Indicates the battery level. When the battery is low, there is only one bar on the display.

^{ZONE}
33-A Zone 33 alarm

^{ZONE}
22-L Zone 22 detector lost

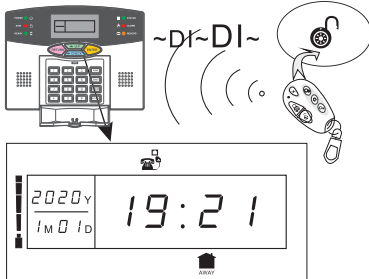
^{ZONE}
33-E Zone 33 trouble

^{ZONE}
33-P Zone 5 bypass

After the host alarms the user to disarm, the screen still displays the defense zone alarm, and then disarms the defense again and the screen display returns to normal

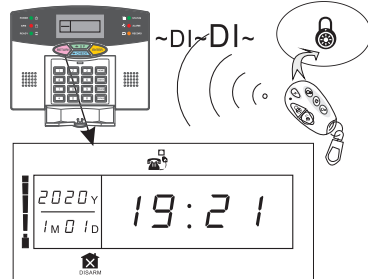
3.4 Host arm and disarm

☆ Arm



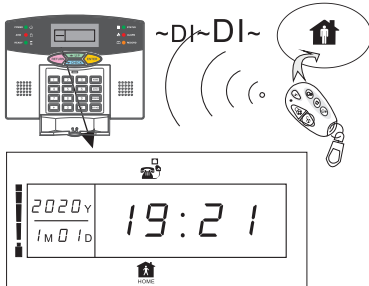
Press the key for arm away on remote or the keypad, then you hear "system armed, please exit the protection area" there will be "DI-DI" sound to confirm the system is armed successfully.

☆ Disarm



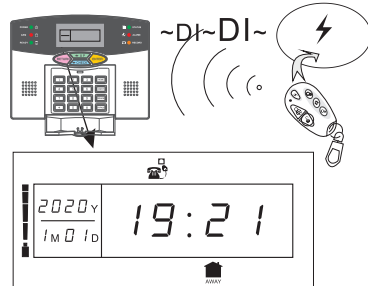
Press the disarm key on the remote or enter your user password on the keypad, then you will hear "dee" and voice "system disarmed", then you have disarm successfully.

☆ Home Arm



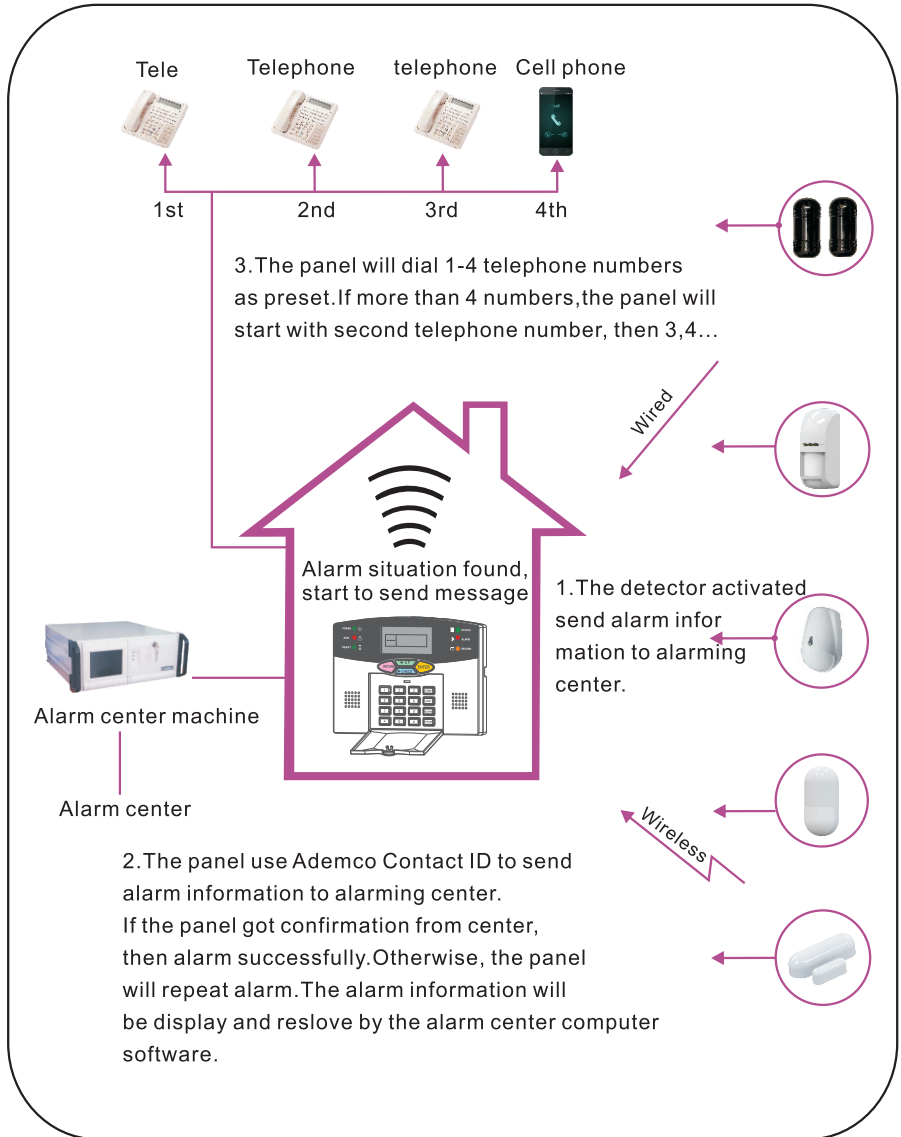
Press the key for home arm on the remote or "HOME" key on the keypad, then you will hear "system stay" And it display home arm icon on the LCD screen.

☆ Panic



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

3.5 Alarm procedure

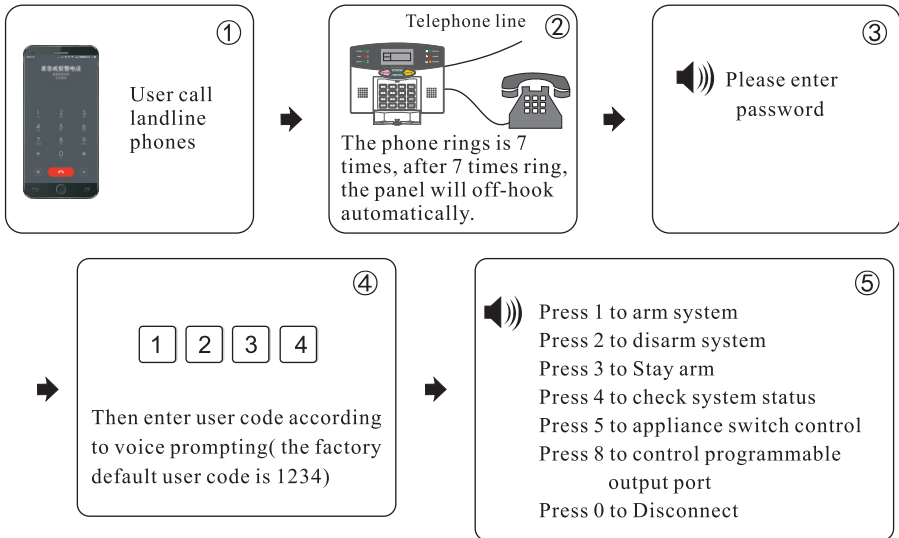


Chapter IV Voice alarm

4.1 Remote phone control

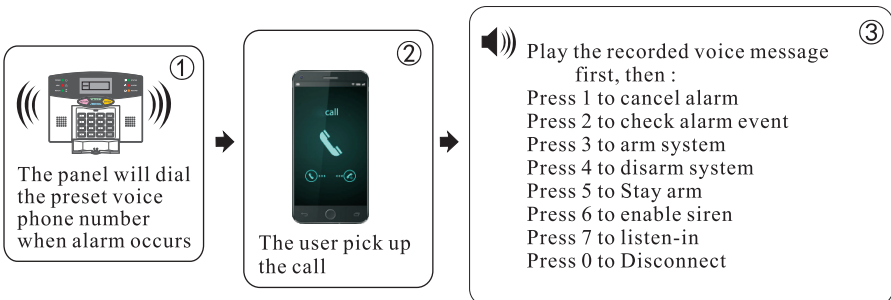
User can remote control the system by phone call, after the preset ringing times then panel will off hook the phone then enter the 4 digit user codes according to voice prompting and operate as per the voice prompting.

Note: This machine does not support programmable output port settings.



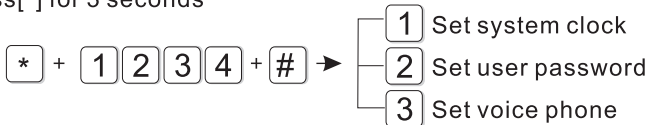
4.2 Alarm receiving phone operation

When alarm, 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 .



Chapter V User settings

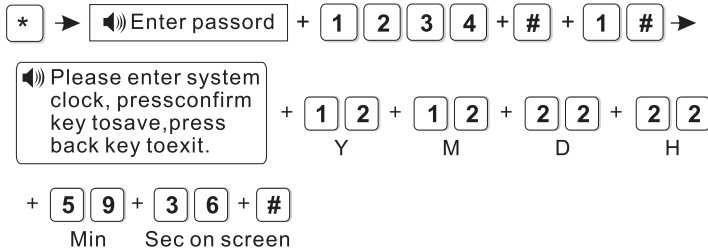
Press[*] for 3 seconds



5.1 Set system clock

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

Press[*] for 3 seconds

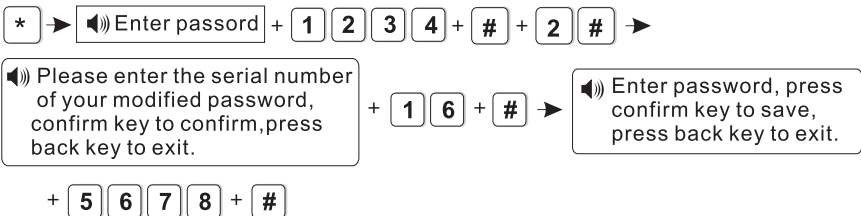


According to flash of Y.M.D.H.Min.Sec on screen, enter 12.12.22.22.59.36 by turn, also can press [UP] [DOWN] key to move cursor.

5.2 Set user password

For example: Set No.16 user pasword as 5678

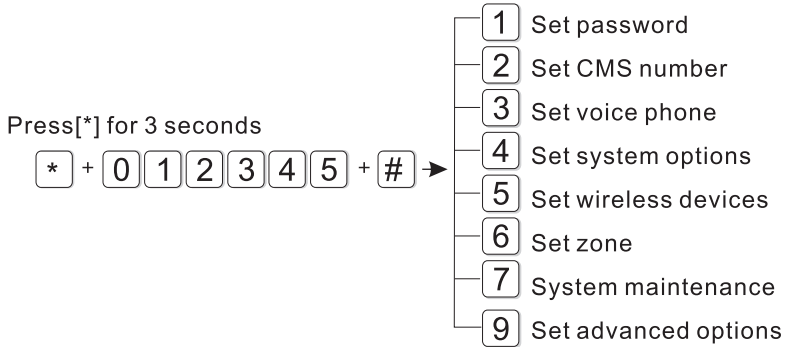
Press[*] for 3 seconds



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)

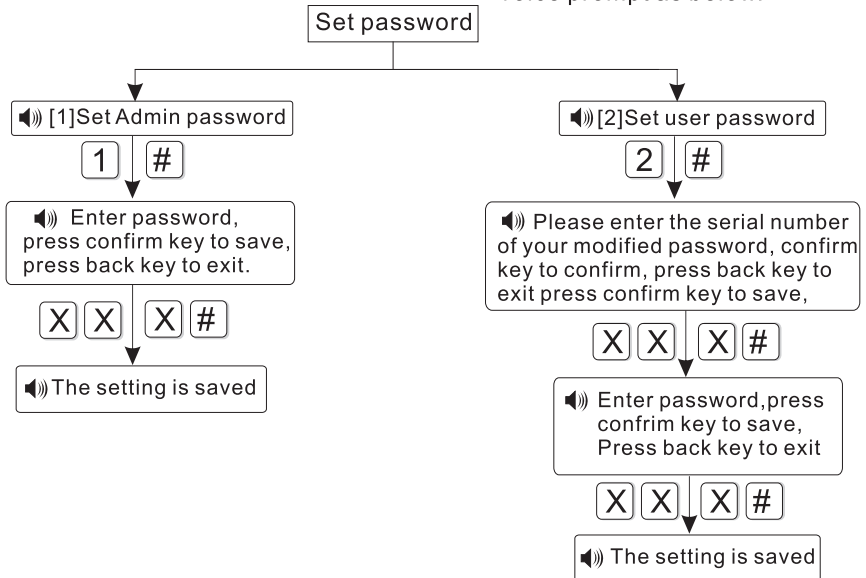
Chapter VI System Setting



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 # +

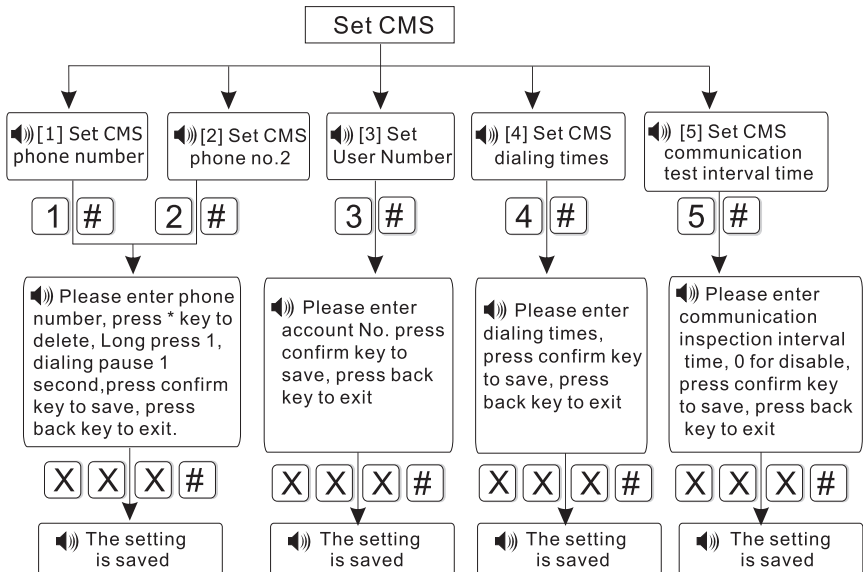
1 # → Enter password,press confirm key to save, press back key to exit + 8 8 8 8 8 8 + #

- 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 012345, 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.

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 #

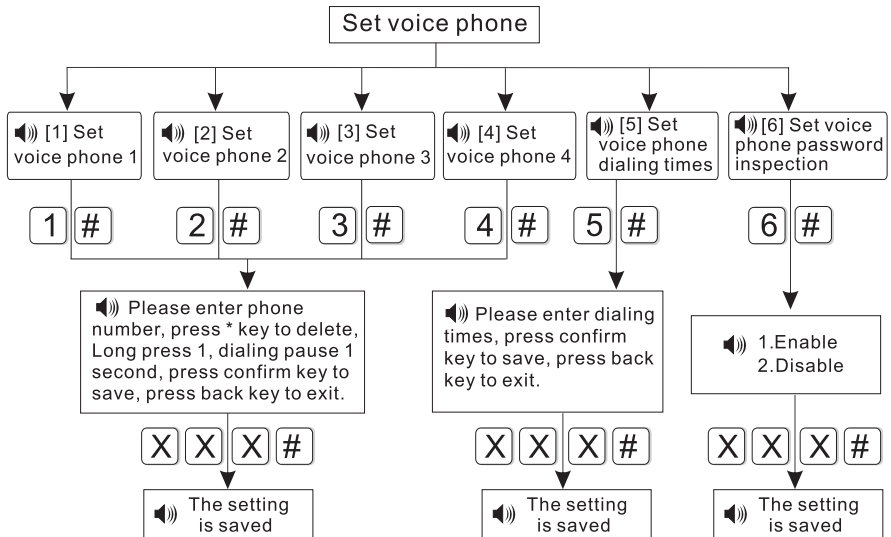
→ Please enter phone number, press * key to delete, Long press 1, dialing pause 1 second, press confirm key to save, press back key to exit. + 9 1 8 0 8 0 8 0 8 0 + #

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 + 1 2 + 2 2 + 2 2 + 5 9

Y M D H 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 password + 0 1 2 3 4 5 + # + 4 # + 2 #

→ Please enter entry delay time, press confirm key to save, press back key to exit + 0 2 0 + #

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 password + 0 1 2 3 4 5 + # + 4 # + 3 #

→ Please enter exit delay time, press confirm key to save, press back key to exit + 0 2 0 + #

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

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

→ Please enter 0 to 30 minutes siren time, press confirm key to save, press back key to exit + 1 0 + #

6.4.5 Set ring times

User remote control alarm panel, dial 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

Press[*] for 3 seconds

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

→ Enter password.... Please enter ring times, if set as 0, the phone will not off hook, press confirm key to save, press back key to exit + 0 5 + #

Enter 2 digit number from 0-15, add 0 if lower than 10.

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.

Press[*] for 3 seconds

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

→ Please enter 0 to 99 hours detector loss inspection time, 0 for disable, press confirm key to save, press back key to exit + 0 8 + #

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.

Press[*] for 3 seconds

* → Enter password + 0 1 2 3 4 5 + # + 4 # + 7 #

→ Please choose arm/disarm tone: 1. siren short sound 2. no voice, press confirm key to save, press back key to exit + 1 + #

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

Press[*] for 3 seconds

* + 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

Press[*] for 3 seconds

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

+ 2 # → Please enter 0 to 255 minutes AC off duration time.press confirm key to save, press back key to exit. + 0 1 5 + #

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

Press[*] for 3 seconds

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

+ 3 # → Please choose: 1. Enable magnetic contact inspection 2. Disable Press confirm key to save, Pressback key to exit. + 1 + #

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.

Press[*] for 3 seconds

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

+ 4 # → Please choose : 1. Enable wireless detector tamper inspection, 2. Disable Press confirm key to save, Pressback key to exit. + 2 + #

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

Press[*] for 3 seconds

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

+ 5 # → Please choose: 1. Auto force arm
2. Forbid force arm via remote control. Press confirm key to save, pressback key to exit. + 1 + #

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

Example : disable telephone line disconnct remind

Press[*] for 3 seconds

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

+ 6 # → Please choose telephone line disconnect remind:
1. Siren delay remind,
2. Buzzer remind, 3 disable
Press confirm key to save, Pressback key to exit. + 3 + #

6.4.9.7 Set zone alm 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

Press[*] for 3 seconds

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

+ 7 # → Please choose zone alarm times:
1. no limited 2. 1 time
Press confirm key to save, Pressback key to exit. + 2 + #

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

Example: set listen-in time as 20sec

Press[*] for 3 seconds

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

+ 8 # → Please enter 10 to 255 seconds listen-in time
Press confirm key to save, Pressback key to exit. + 0 2 0 + #

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,
Pressback 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,
Pressback key to exit.

+ 3 + # → Please trigger the remote control
Pressback key to exit.

→  → Enroll successful + #

Trigger arming key on the remote control

6.5.1.2 Enter remote control code

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

Press[*] for 3 seconds

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

+ 2 # → Please enter the serial number of remote control. Press confirm key to save, Pressback key to exit. + 8 + # →

Please enter remote control Number Press confirm key to save, Pressback key to exit. + 1 1 2 1 1 3 1 1 4 + #

6.5.1.3 Delete remote control

Example: delete the # 5 remote

Press[*] for 3 seconds

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

+ 3 # → Please enter the serial number of remote control to delete, enter 0 to delete all. Press confirm key to save, Pressback key to exit. + 5 + #

6.5.2 Set detector

Press[*] for 3 seconds

* + 0 1 2 3 4 5 + # + 5 # + 2 # →

- 1 Detector coding
- 2 Enter detector code
- 3 Delete detector

6.5.2.1 Detector coding

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

Press[*] for 3 seconds

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

+ 1 # → Please enter detector Number Press confirm key to save, Pressback key to exit. + 0 9 + # → Please trigger the detector Pressback key to exit.

→ trigger the detector → Enroll successful + #

6.5.2.2 Enter detector code

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

Press[*] for 3 seconds

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

+ 2 # → Please enter detector Number. Press confirm key to save, Pressback key to exit.

→ Please enter detector code Press confirm key to save, Pressback key to exit. + 0 1 1 0 2 2 0 3 3 + #

6.5.2.3 Delete detector

Example: delete the # 3 detector

Press[*] for 3 seconds

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

+ 3 # → Please enter the serial number of detector to delete, enter 00 to delete all. Press confirm key to save, Pressback key to exit.

+ 0 3 + #

6.5.3 Set appliance switch

Press[*] for 3 seconds

* + 0 1 2 3 4 5 + # + 5 # + 3 # →

- 1 Enroll appliance switch
- 2 Delete appliance switch

6.5.3.1 Enroll appliance switch

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

Press[*] for 3 seconds

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

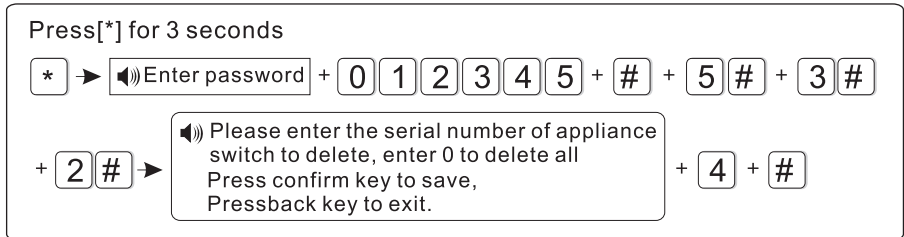
+ 1 # → Please enter the serial number of appliance switch Press confirm key to save, Pressback key to exit.

+ 1 + # → Please trigger appliance switch Pressback key to exit.

→ Trigger appliance switch → Enroll successful + #

6.5.3.2 Delete appliance switch

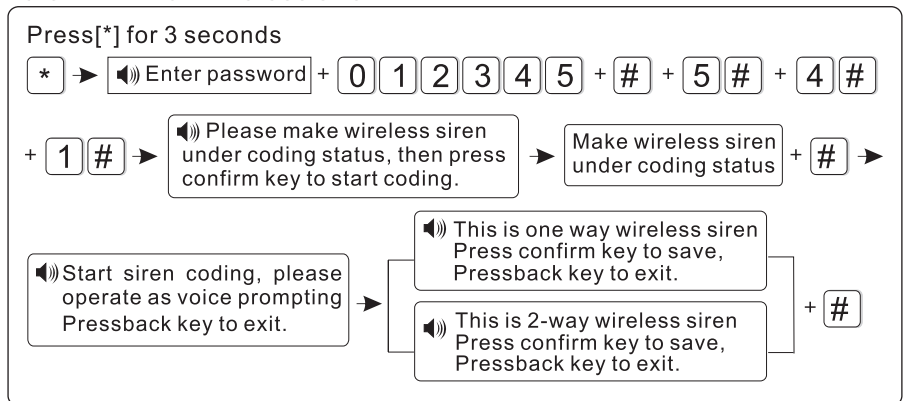
Example: delete the # 4 appliance switch



6.5.4 Enroll wireless siren

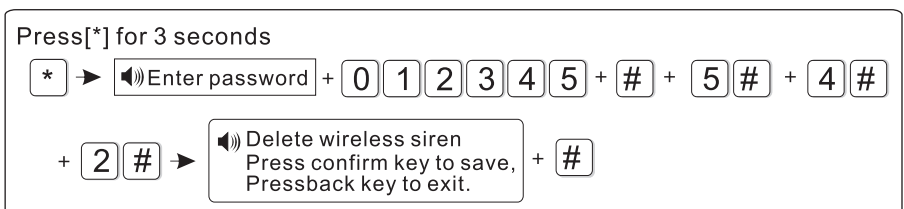


6.5.4.1 Enroll wireless siren



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

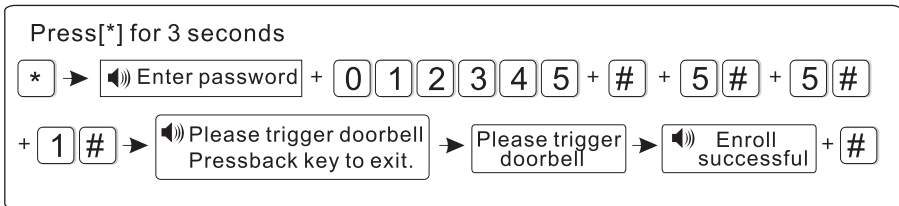


Note: It is dual-way wireless siren deleted.

6.5.5 Set door bell

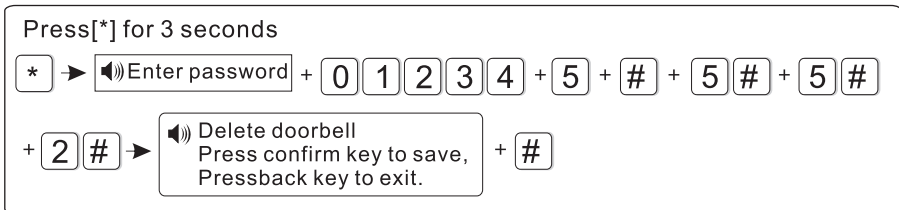


6.5.5.1 Enroll doorbell

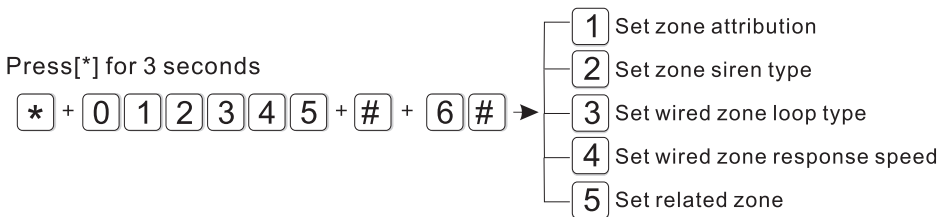


Note: can only learn a wireless doorbell, the trigger will be issued after the chink

6.5.5.2 Delete doorbell



6.6 Sector Settings



6.6.1 set zone attribution

The type of zone attribution 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.wireless 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 control system.

Example: set zone 39 as keyzone type

Press[*] for 3 seconds

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

→ Please enter the zone No. to modify.
Press confirm key to save,
Pressback key to exit. + 3 9 + # →

Please choose zone type:
0. Disable the zone 1. Delay zone 2. Perimeter zone 3. Interior zone
4. Emergency zone 5. 24 hours zone 6. Fire zone 7. Key zone + 7 + #

6.6.2 Set zone siren type(factory default is pefal point)

Example set zone 23' s siren type as pulse tone

Press[*] for 3 seconds

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

→ Please enter the zone number to modify.
Press confirm key to save,
Pressback key to exit. + 2 3 + # →

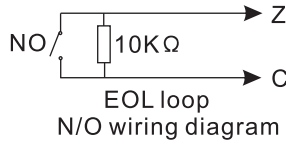
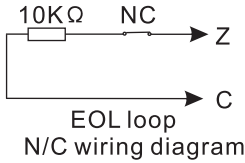
Please choose zone siren type:
1.pedal point 2.pulse tone 3. Mute
Press confirm key to save,
Pressback key to exit.

+ 2 + #

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



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,
Pressback key to exit. + 3 5 + # → Please choose loop type:
1.EOL 2.N/C, 3.N/O
Press confirm key to save,
Pressback 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,
Pressback key to exit. + 4 0 + # → Please choose loop response speed: 1. 500ms,
2. 10ms
Press confirm key to save,
Pressback 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.

Press[*] for 3 seconds

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

→ Enter correlate group #, press confirm key to confirm or press back key to exit setting. + 4 + # → Enter the firstcorrelate zone # press confirm key to savesetting, or press back key to exit setting.

+ 0 5 + # → Settingsaved, enter second related zone #, press confirm key to save setting or press back key to exit setting + 0 9 + #

→ Setting is saved, press set relate time from 2 to 255sec, and press confirm key to save setting, or press back key to exit setting + 1 2 0 + #

→ Setting is saved, pls choose relate mode. 0 disable relate mode , 1 entrance-exit dual trigger mode, 2 entrance-exit single trigger mode, 3 dual trigger mode. Press confirm key to save setting or press back key to exit. + 3 + #

NOTE: max set 4 group relate zone

6.7 system maintance

Press[*] for 3 seconds

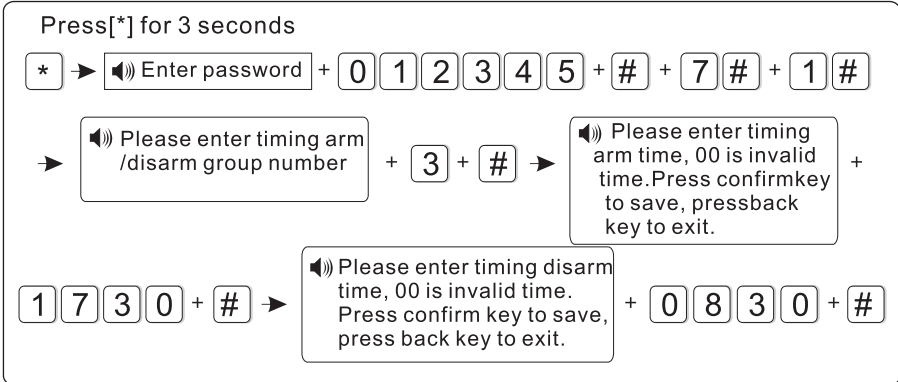
* + 0 1 2 3 4 5 + # + 7 # →

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

Note: This machine does not support programmable output port settings.

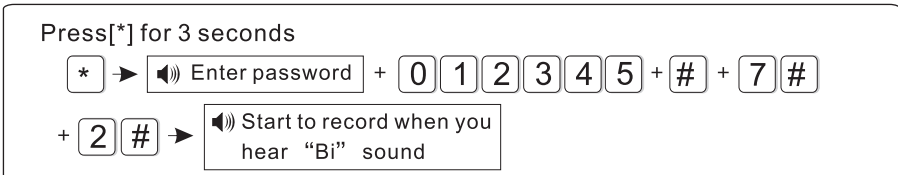
6.7.1 Set timing operation

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



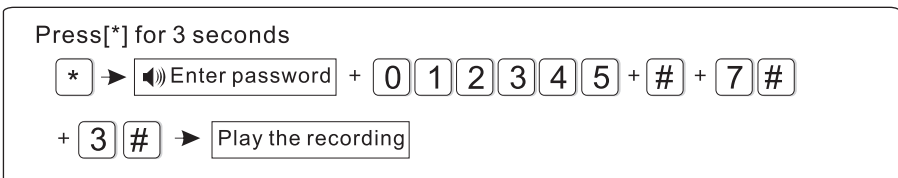
Hint: 4 groups of timing arm/disarm can be set according to the schedule of user.

6.7.2 Recording



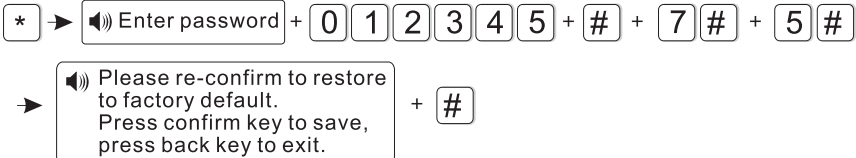
Hint: 15 seconds for recording time. And it will play recording as soon as the panel dial to the telephone No.as preset.

6.7.3 Play recording



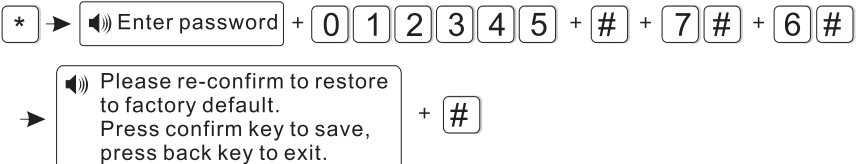
6.7.4 Delete system events

Press[*] for 3 seconds



6.7.5 Restore to factory default

Press * for 3 seconds



6.8 Advanced setting options

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

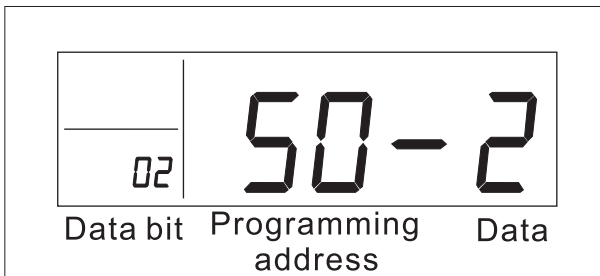
07	Delay zone tone source options		63	System AC recovery	4
11	Alarm event retain time		64	Zone bypass	4
13	Volume adjustment		65	Telephone line fault	4
50	System 00 zone	6	66	Periodic test report	4
51	Delay zone	6	67	Wireless zone loop trouble	0
52	Perimeter zone	6	68	Wireless zone loop recovery	0
53	Interior zone	6	69	System battery recovery	0
54	24 Hour zone	6	70	Communication trouble	0
55	Emergency zone	6	71	Bypass cancel	0
56	Fire zone	6	72	Alarm cancel	0
57	Tamper zone	6	73	Disarm	0
58	Sensor low battery	4	74	Armed stay	0
59	Sensor recovery	4	75	Armed	0
60	Sensor loss	4	76	Panel programming changed	0
61	System low battery	4	77	System alarm failure	4
62	System AC loss	4	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 | 2. Only telephone line |
| 4. Only upload to CMS | 6. Upload to CMS+telephone line |

LCD display direction



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

6.8.1 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

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

[01] -- -- + 0 7 + 3 → [01] 07-3 + #

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.

6.8.2 Set LCD standby brightness (default is 02)

For example: Set it as 22

Press[*] for 3 seconds

* → Enter password + 0 1 2 3 4 5 + # + 9 # →
 01 | _ _ _ + 1 0 + 0 8 → 02 | 10-8 + #

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

6.8.3 Alarm event retain time

When telephone line fault, the alarm event will be retained in the preset time. Otherwise it will loss. After telephone line 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

* → Enter password + 0 1 2 3 4 5 + # + 9 # →
 01 | _ _ _ + 1 1 + 2 5 5 → 03 | 11-5 + #

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

6.8.4 Volume adjustment

The voice volume setting can be set to 0-10 levels, 0 means mute. Example: Adjust the voice volume to level 5.

Press[*] for 3 seconds

* → Enter password + 0 1 2 3 4 5 + # + 9 # →
 01 | _ _ _ + 1 3 + 0 0 5 → 02 | 13-5 + #

0~10 levels can be set, less than three high digits can be filled with 0.

Chapter VII technical specification

7.1 General data

Power supply: 12V/1.5A
Standby time: about 35 hours (without 12V output load)
Host built-in rechargeable battery: 3.7V / 3000mAh lithium battery
System static current: <50mA(exclude wireless detector)
System alarming current: <300mA(exclude wireless high siren current)
System maximum output current: ≤100mA(supply wireless detector)
Modulation method: ASK
Frequency:433/868MHz(Matching)
Signal transmit distance: 100 to 150 meters (open area)
Alarm dialing method: telephone network alarm
Communication protocol with CMS: Ademco Contact ID
DTMF dial frequency variation: <1.5%
Recording time:15S
Siren sounding time: 0~30 minutes
Size:L180*W135*H30mm
Color:white

7.2 Physical performance

Operation temperature range: 0°C-45°C(32°F-120°F)
Storage temperature range: -20°C-60°C(-4°F-140°F)
Relative humidity: 85% at 30°C(86°F)

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 IX 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 intruder break in through some door or window not monitored. Or someone know how to make the system not work.

