

Network Intelligent Alarm System

User's Manual



V1.0
P/N:350310000868E010

Attachment List

Please check the complete attachment in the package before your making installation and setting.

1. Alarm System (433SF-1)

Alarm Unit (433SF)	1pc
Wireless Remote Controllers	2pcs
2.2K Sewing Resistances	4pcs
M4 45Screws	4pcs
M3 8Screws	1pc
Stopper	4pcs
6 code connector base	1pc
3 code connector base	1pc
User's Manual	1pc
Phone Line	1pc
Adapter	1pc

2. GSM Alarm System (433SF/GSM/S-1)

Alarm Unit (433SF/GSM/S)	1pc
Wireless Remote Controllers	2pcs
2.2K Sewing Resistances	4pcs
M4 45Screws	4pcs
M3 8Screws	1pc
Stopper	4pcs
6 code connector base	1pc
3 code connector base	1pc
User's Manual	1pc
Phone Line	1pc
Adapter	1pc
12V 1300mAh NI-MH battery	1pc

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Foreword

Appreciate for your choosing this alarm system, which is reliable for its certificates and multifunction.

It adopts the most advanced technology of digital sensor and controlling. It is a kind of intelligent alarm control system, aggregated with the features of Burglar, Anti-fire, Anti-gas, etc. Compatible with CONTACT ID agreement enables the alarm system expanded usage and stronger compatibility. With the excellent appearance and powerful function, it can be widely used at home, community, financial office and office building, etc.

To make sure the normal usage, please read the user's manual before your operation. Our company retains the right to modify and explain the User's Manual. Moreover, modified specification won't be informed specially.

I Summary

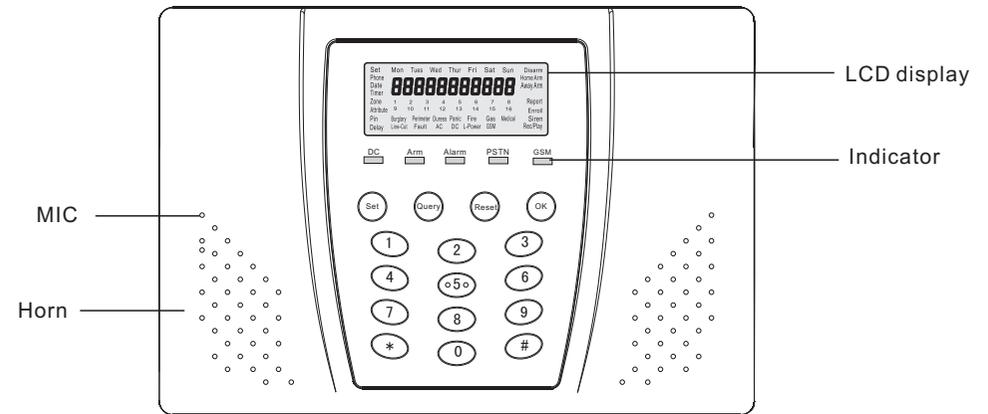
1.1 Brief Introduction

1. LCD interface: English LCD screen, easy operation, working running and alarm procure are of easy and simple usage.
2. Built-in antenna and latest design.
3. 16 wireless zones: 1-16 wireless zones. Each zone can enroll 3 detectors. Be compatible with the wireless detectors from our company and easy to expand the wireless zones.
4. 4 wired zones: 13-16 wired zones. Act on NO/ NC alarm by connecting with end-of-line resistor. It owns the functions of clew for wired zones' trouble and compelling Arm.
5. The modes of Multi-user and Mono-user can be exchanged. On the mode of Multi-user, 8 remote controllers: 8 remote controllers are assigned to 8 users. CID alarm center can identify the different users by the pin of remote controllers; On the mode of Mono-user, the user can Away Arm/ Home Arm the whole system.
6. 8 remote controllers: on the mode of Mono-user, 8 remote controllers share 1 main user; on the mode of Multi-user, 8 remote controllers refer to 8 users and the alarm center can distinguish the directions from different users.
7. 8 alarm phone numbers can be set for users or CID.
8. Zone attributes can be set according to the attributes of the alarm unit and 16 wireless zones. On-spot Alarm, linkage output and wireless siren are for option. Individually setting to each zone is also enabled. Zone attributes: 7 attributes are Burglar, Perimeter, Duress, Panic, Fire, Gas and Medical.
9. Easy enrollment: Wireless detector, remote controller can be enrolled with the alarm system automatically. Each zone / remote controller can be enrolled and delete enrollment automatically & independently.

10. 20s voice record: Record / Playback are easy. 20s record can be re-recorded at freedom.
11. The pin management: 1 installer's pin, 1 master's pin, 8 users' pins and Duress pin (the Duress pin is plus "1" to the last number of master's pin or user's pin) (8 groups of user's pins are valid on the mode of Multi-user only).
12. Two groups of Timer Arm/ Disarm: to make two groups of Timer Arm/ Disarm according to the working day and resting day. Each group of Timer Arm/ Disarm has a regular time to be set (Each group of Timer Arm/ Disarm refers to one user on the mode of Multi-user).
13. Queried: It can record and query the 30 logs of alarm, including Away Arm, Home Arm, Disarm, Line-cut, Zone Arm, Zone Disarm, low-power of Zone, the alarm time and the alarmed zone.
14. Support alarm report, the zone list of alarm phone, Arm/ Disarm information and report for Self-testing.
15. Communication time can be set as 00-99 hours. It supports the alarm unit and alarm center, timer communication with the related user.
16. Delaying Alarm/ Arm time can be set as 000-255 seconds,
17. The alarm sound duration can be adjusted as 01-99 minutes.
18. Circulated dialing times and ringing times can be adjusted as 03-15 times.
19. Siren: the unit has equipped with inner siren. Meanwhile, it can connect with wired siren in wire terminal and program with wireless siren
20. Three levels of alarm volume are optional.
21. Alarm line-cut: If the line of wired detector is cut, the alarm system will make alarm at once. Meanwhile, if the phone line is cut, the unit will send the warning tone.
22. NO and NC relay alarm output are suffered. Also 12V 150mA AC is provided.
23. Remote operation: It can make the following actions by phone remotely, such as Arm/ Disarm, monitor indoor, turn on-site alarm on the remote phone.

24. GSM + PSTN alarm. The user can choose GSM wireless alarm or GSM wireless with PSTN wired alarm together.
25. AC/ DC: Ext 220V voltage and inner with rechargeable batteries.

1.2 Unit introduction



Picture 1 Sketch diagram of unit

Set	Mon	Tues	Wed	Thur	Fri	Sat	Sun	Disarm	
Phone	888888888888							Home Arm	
Date	888888888888							Away Arm	
Timer									
Zone	1	2	3	4	5	6	7	8	Report
Attribute	9	10	11	12	13	14	15	16	Enroll
Pin	Burglary	Perimeter	Duress	Panic	Fire	Gas	Medical	Siren	
Delay	Line-Cut	Fault	AC	DC	L-Power	GSM		Rec/Play	

Picture 2 LCD View

month	Wed.	day	hour	minute	Status
07	-	01	18	-	18
1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16		
zone list					

Picture 3 Sketch diagram in standby

1.3 Spares specification

① “DC” indicator

When DC supplied, the indicator is on.

When AC supplied, the indicator is off.

② “Arm” indicator

A) In Away Arm or Home Arm, the indicator will be on.

B) In Arm delay, the indicator will flash once per 2 seconds.

C) In Disarm, the indicator will be off.

③ “Alarm” indicator: It is on, when making alarm. And vice versa.

④ “PSTN” indicator

⑤ “GSM” indicator:

A) ON: the GSM signal is normal.

B) Flash: the GSM signal is weak.

C) OFF: the GSM signal is in trouble or not existing, it will influence the usage of GSM.

Note: if the GSM indicator is OFF after inserting for 3 minutes, the user should check whether GSM module is connected well or not.

⑥ Function keys:

[Set] : Press [Set] in standby status and input the correct user’s pin to enter the program.

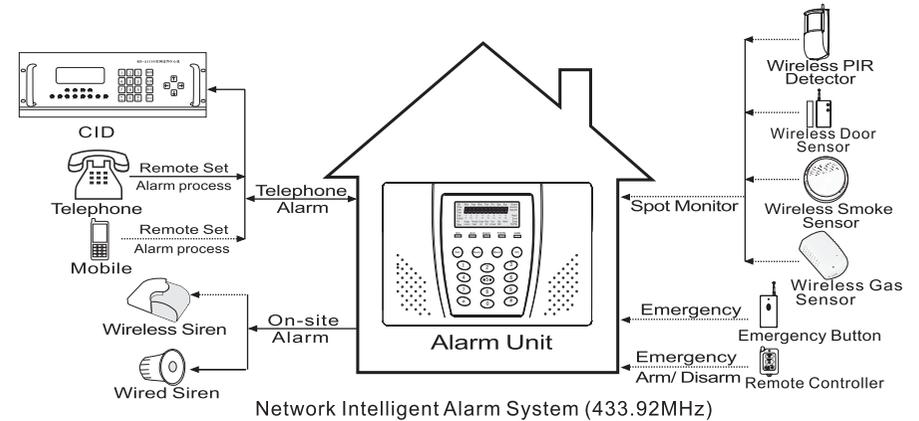
[Query] : Press [Query] in standby status. The logs can be inquired.

[Reset] : Delete the previous inputted or exit to previous status.

[OK]: Confirm what users inputted

⑦ Number key: Be used to set and Arm/ Disarm.

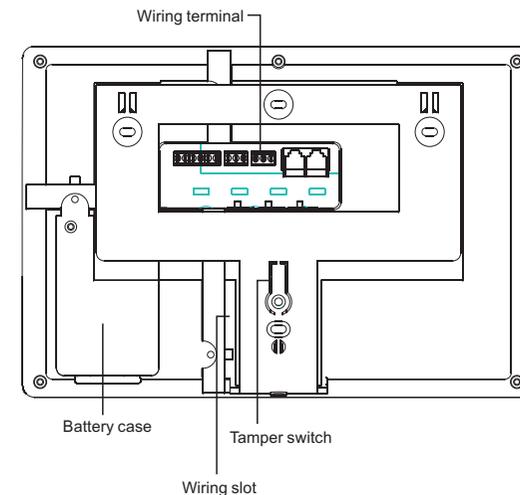
1.4 Sketch diagram of system running



II Installation & Connection

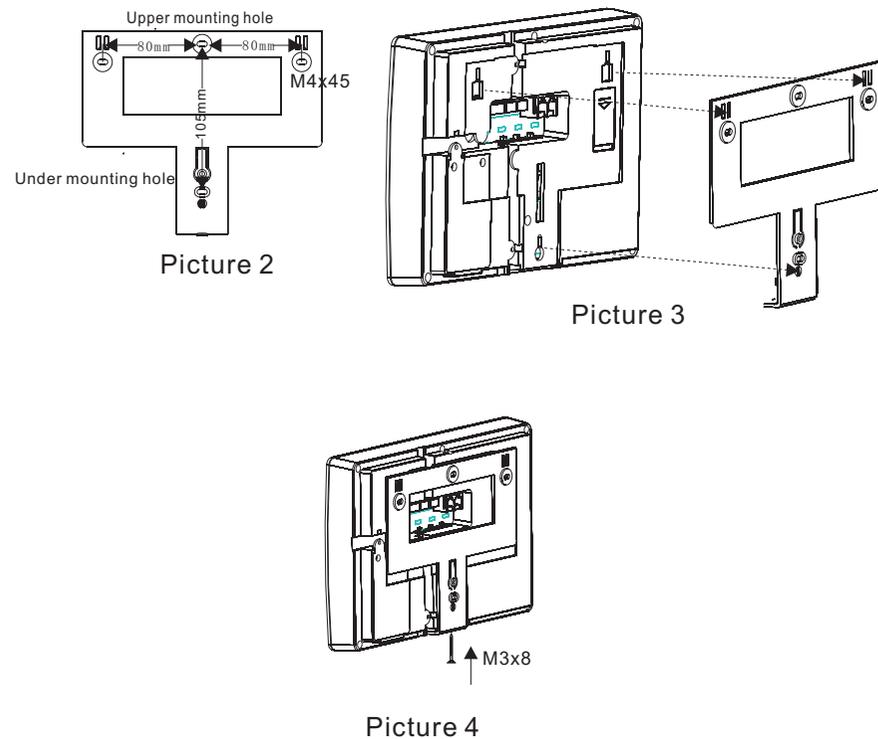
The phone line and connection wires of wired zones can be connected by hiding on the back of the alarm unit. The alarm unit can be installed wall-mounted or on the desk. It can be installed without opening the cover. It has advantage of simple installation and safety.

2.1 Sketch diagram of the back of alarm unit



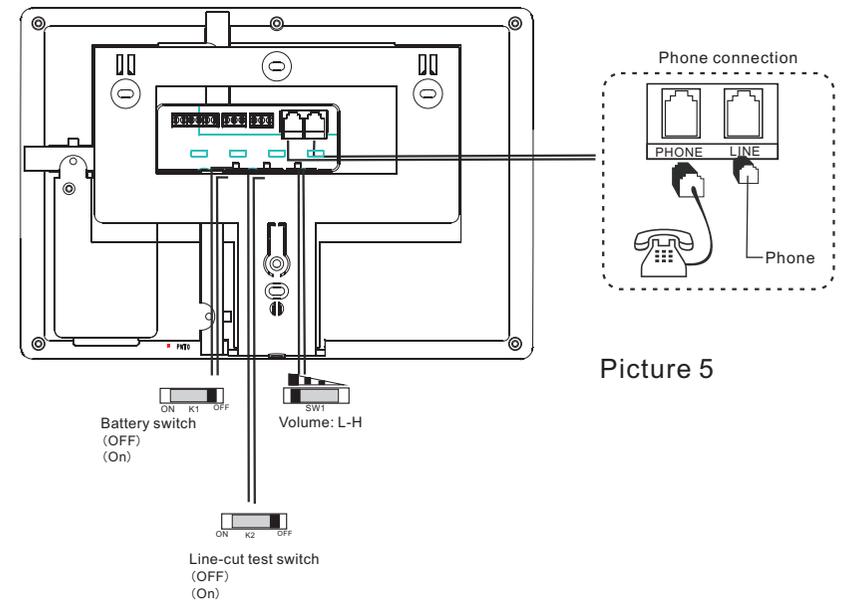
Picture 1

2.2 Wall-mounting installation



- 1) Take the hang-up board from the back of the alarm unit, and fix four plugs and one M4 45 screws on the wall accordingly (as Picture 2).
- 2) Draw the one set of 6 pin Wired Holder and two sets of 3 pin Wired Holders. Connect with power and wired zones, etc. Then insert the related Wired Pillar and Phone Line. Hang the alarm unit on the screws as pictures 6 and Picture 7.
- 3) After finishing connecting, pull the three holes of the back of alarm unit up the related holes of hang-up board (as Picture 3).
- 4) Tighten the bottom of hang-up board with the back of alarm unit by M3 8 screw (as Picture 4).

2.3 Sketch diagram of connecting interface



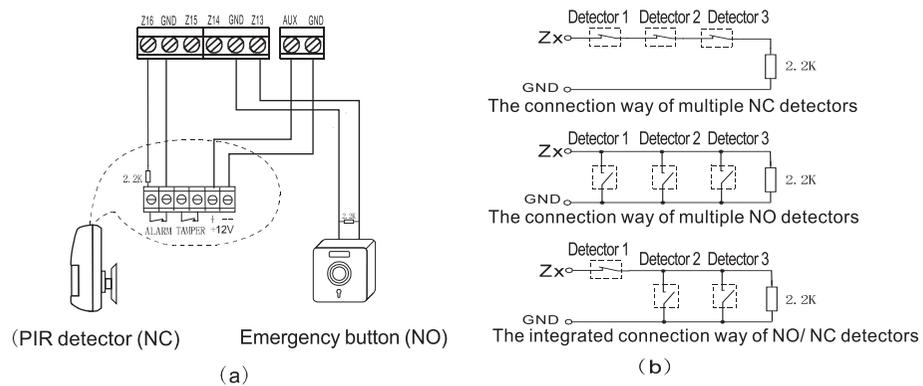
Note:

- ① The power of detector suffered by the alarm system should not more than 12V power (or $\leq 150\text{mA}$). Otherwise, it should be suffered with 12V backup power EXT.
- ② When there are not wired zones connected, the wired zones should also be connect with end-of-line resistor to make sure the alarm system working normally.

2.4 Wired detectors installation

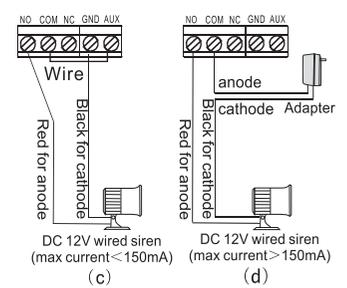
Wired zones adopt AD converting technology and can be connected with 2.2K end-of-line resistor, which make sure the reliability of alarm system. The power of wired detector was suffered by 12V output terminal of alarm system. The output terminal of every detector connects with the connection and GND of the corresponding zone by end-of-line resistor as picture showing:

- 1.NO connection: The output terminal adopts paralleled connection between end-of-line resistor and NO output detector.
- 2.NC connection: The output terminal adopts tandem connection between end-of-line resistor and NC output detector.
- 3.Integrated connection: When there are NO output detector and NC output detector, it can adopt integrated connection. The ways of connection are showed as Picture a & Picture b:



2.5 Interface of alarm output

1. This interface is to connect the wired siren or alarm light, etc. The way of connection is showed as Picture c.
2. The connection loading is 1A 120V AC/ 1A 24V DC, when the loading of controlled circuit is too large, it should be suffered with power independently to avoid destroying the alarm system. Please visit Picture d:



2.6 Enroll wireless detectors

- 1.Install the enrolled detectors in the effective range from alarm system as the user's manual of wireless detector describing. Make sure to test for the detector and the alarm system.

- 2.Wireless transmitting function: The alarm system may not receive the signal from wireless detectors due to far distance or wall-shading between wireless detector and alarm system, the wireless repeater from our company can be chosen to lengthen the transmitting distance.

III Operation Manual

3.1 Specification of beep

A short "Di"	Arm
Two short "Di"	Disarm
A short "Di" per 1s	Delay Arm
Two quick short "Di... Di" per 1s	Alarm Delay
A long "Di" per 15s	Low power
Three quick short "Di...Di...Di" per 1s	Phone line-cut

3.2 Arm/ Disarm

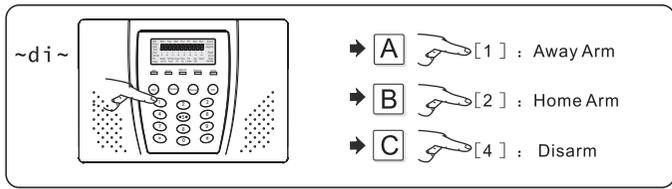
3.2.1 Armed/ Disarmed by the remote controller. On the mode of Multi-user, 1-8 remote controllers are corresponded to 1-8 users. On the mode of Mono-user, 1-8 remote controllers are corresponded to 1 user. If the alarm systems connect with CONTACT ID, the alarm center will record every master by its corresponding user. It is convenient to query.

3.2.2 Shortcut of Arm/ Disarm in alarm unit

On the mode of Mono-user:

- A)Away Arm shortcut:** In Disarm status, press "4" until hearing beep of "Di". Then release it. Input the master's/user's pin and [OK] on the interface of entering. If the pin input is correct, the system will enter a status of Away Arm. (When Delay Arm of the system was set to be 0s)
- B)Home Arm shortcut:** In Disarm status, press "4" until hearing beep of "Di". Then release it. Input the master's/user's + [#] and [OK] on the interface of entering. If the pin input is correct, the system will enter a status of Home Arm. (When Delay Arm of the system was set to be 0s)

C) Disarm shortcut: In Arm or Alarm status, press “4” until hearing beep of “Di”. Then release it. You are required to input the master’s/user’s and [OK] . Input the correct pin and OK and the system enters Disarm status.



Picture 9

On the mode of Multi-user:

A) **Away Arm shortcut:** In Disarm status, press “4” until hearing beep of “Di”. Then release it. Input the corresponding master’s/user’s and [OK] on the interface of entering. If the pin input is correct, the system will enter a status of Away Arm. (When Delay Arm of the system was set to be 0s)

B) **Disarm shortcut:** In Arm or Alarm status, press “4” until hearing beep of “Di”. Then release it. You are required to input the corresponding master’s/user’s and [OK] . Input the correct user’s pin, the system enters Disarm status.

Note: The pins are referred on Term of 4.8.

3.2.3 Timer Arm/ Disarm

Set Timer for Arm or Disarm accordingly. When the system runs to the setting time, it will enter Away Arm/ Disarm automatically. (On the mode of Multi-user, each group of Timer Arm/ Disarm is corresponded to one user.)

3.2.4 Remote Arm/ Disarm

1) Remote Arm/ Disarm on phone

Please refer to Term of 3.4 remote operation.

2) Remote Arm/ Disarm on GSM (GSM module should be equipped)

Please refer to the User’s Manual of GSM Module

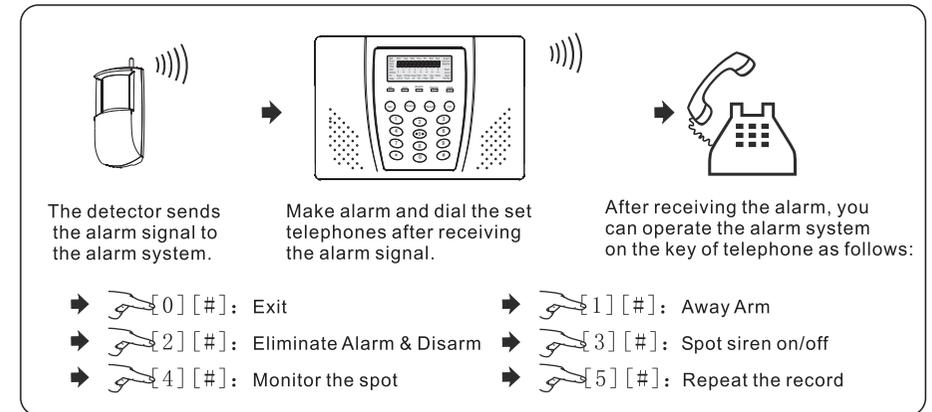
3.3 Alarm & alarm process

3.3.1 Alarm attributes

When the zone is set as “Burglar” or “Perimeter”, the intruding alarm won’t be made except the alarm system is in the status of Arm. And it will be influenced by Delay Alarm Time. But for the Panic alarm, such as Tamper Alarm, it will not be influenced by Delay Alarm Time whatever the status the alarm system is.

When the zone is set as “Panic”, “Fire”, “Gas” or “Medical” etc, the system will make alarm once the zone is triggered.

“Duress” is for special situations, such as there is required to make alarm silently on spot.



Picture 8

3.3.2 Alarm Phone

When the alarm system receives the signal from detectors, it will activate alarm at once and dial the set phones. The user will hear the recorded voice on the phone. In the end of record, you will hear “Di”. You can operate the alarm system on the key of phone within 5s (as Picture 8).

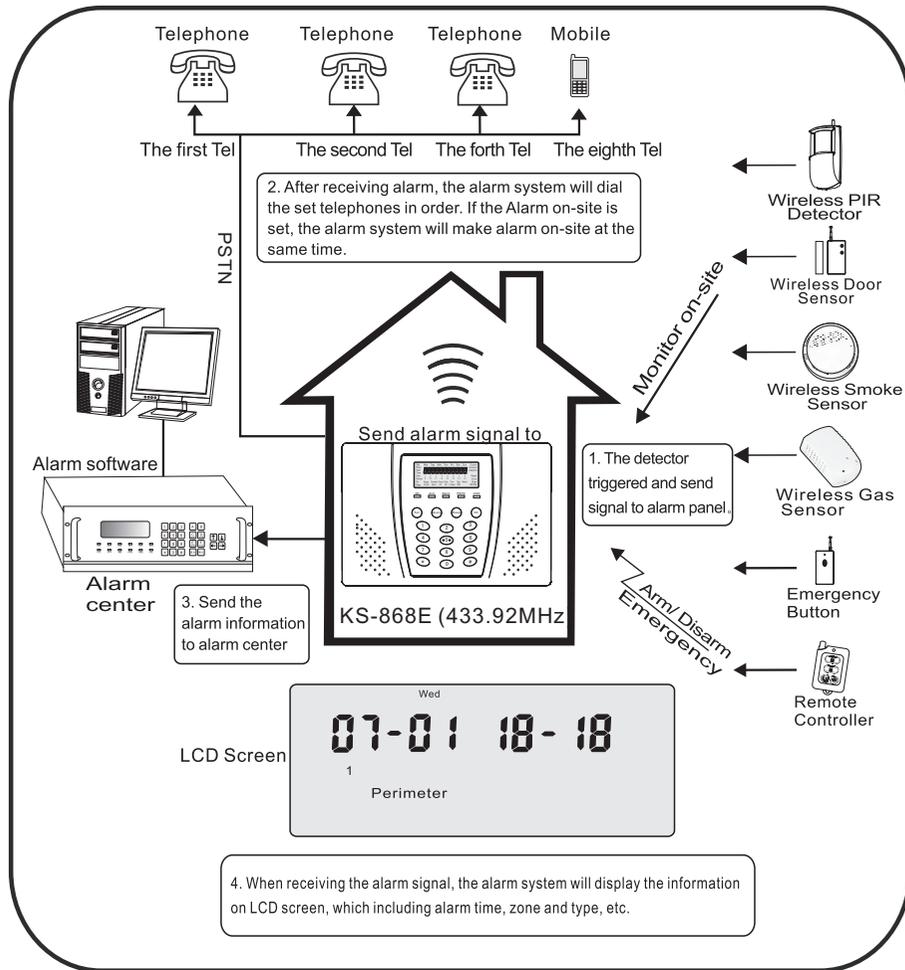
If the alarm won’t process within 5s, the alarm dialer will go on. If this user have valid operation through phone, the alarm system will continue to dial next phone. And won’t dial this user’s again.

Input “2#” to eliminate the alarm, the alarm system will continue to dial other pre-set phones.

3.3.3 The alarm center

The alarm system sends the alarm signal to the alarm center; the center will reply the alarm system with the confirmed signal. If receiving the confirmed signal from the alarm center, it won't dial alarm center again. Or else, it will dial alarm center continually until the dial times arrives. The alarm information is displayed and handled by the alarm center on the computer.

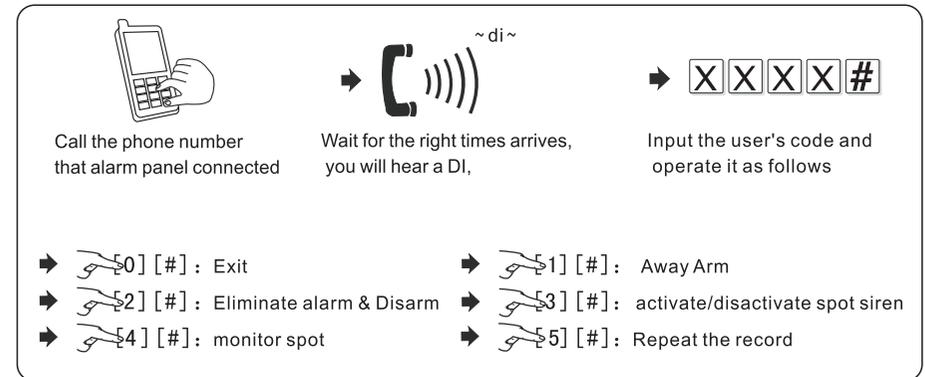
3.3.4 The process of making alarm (Picture 9)



Picture 9

3.4 Remote operation

The users can call the phone number that alarm unit connected to set remotely. The user dials the phone number that alarm unit connected, and waits for ring times arrives, the user will hear a DI, then have to input the user's pin and #, if the user's pin corrects, you can set below..



Picture 12

3.5 Events logs & Query

3.5.1 The alarm events are: Alarm, Away Arm, Home Arm, Disarm, phone line-cut, Arm/ Disarm of detectors, Low voltage, battery restore, etc.

3.5.2 Query

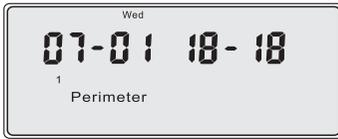
Press [Query] in standby to inquiry the alarm logs (30 pieces at most). If the total logs exceed 30 pieces, the oldest record will be deleted. Each piece of record is signed as "nx" ("x" is the number of alarm logs). Users can read the logs with pressing [*] or [#].

For example, when the alarm system is in standby status, you can press [Query] to enter the query screen.



Picture 1

Press [OK] to display the specifications: 18:18 July 1st Wednesday,
 the first zone makes Perimeter Alarm as follows as Picture 2:
 press [#] to read next one



Picture 2

3.5.3 Trouble

When there is a trouble existing, the screen will display as Picture 3:
 it means there is trouble on the wired zone.



Picture 3

Press [#] to display which wired zone is in trouble.



Picture 4

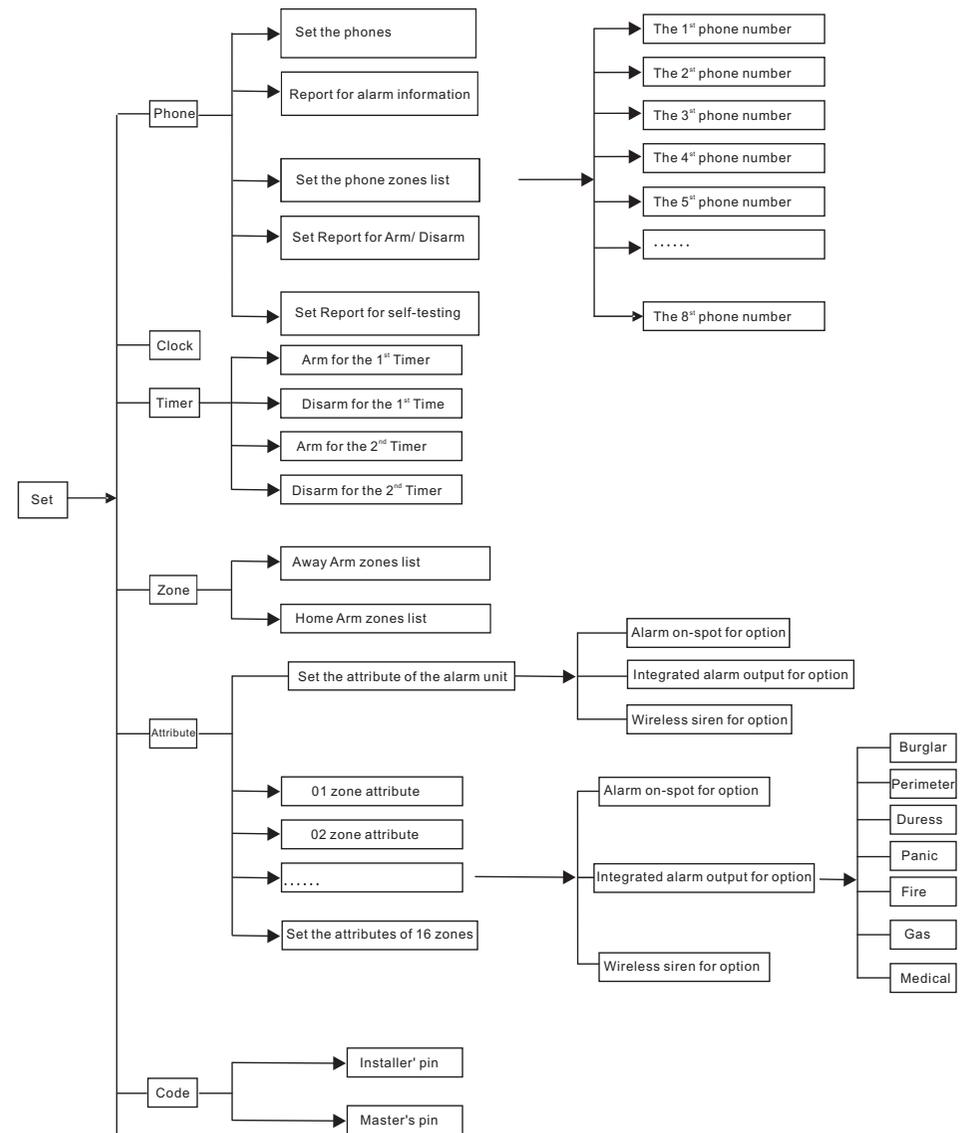
IV How to set

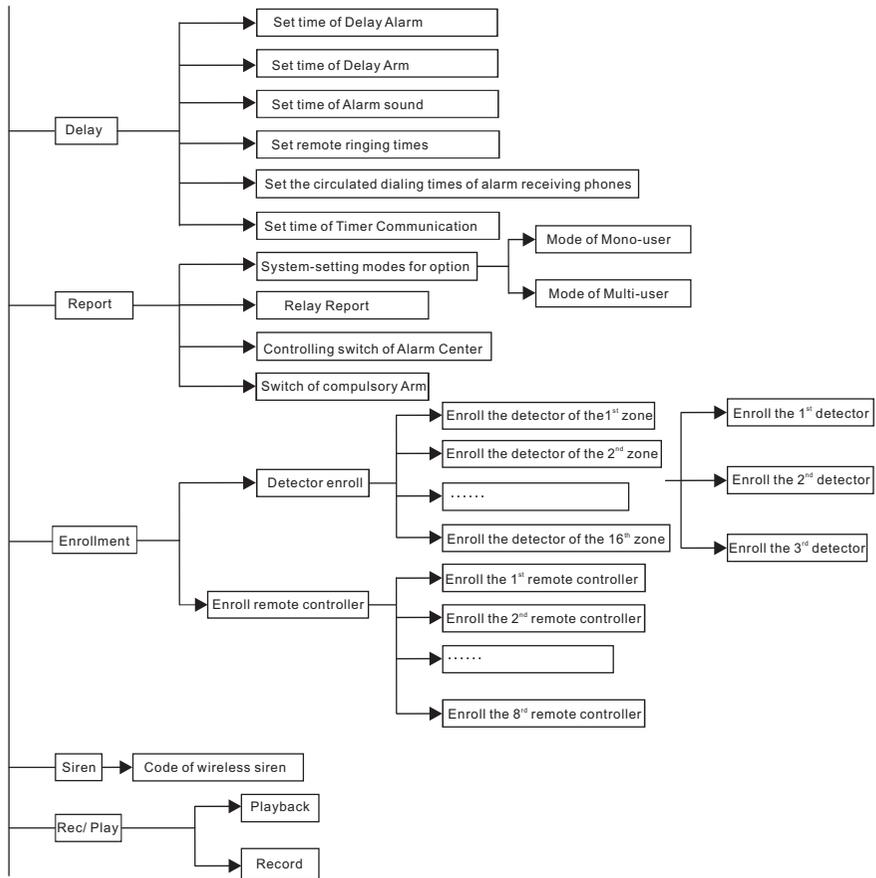
Please read the following manual carefully before your usage. It is suggested to make operation under the professional person guidance.

Note: We are not responsible for the default caused by wrong operation.

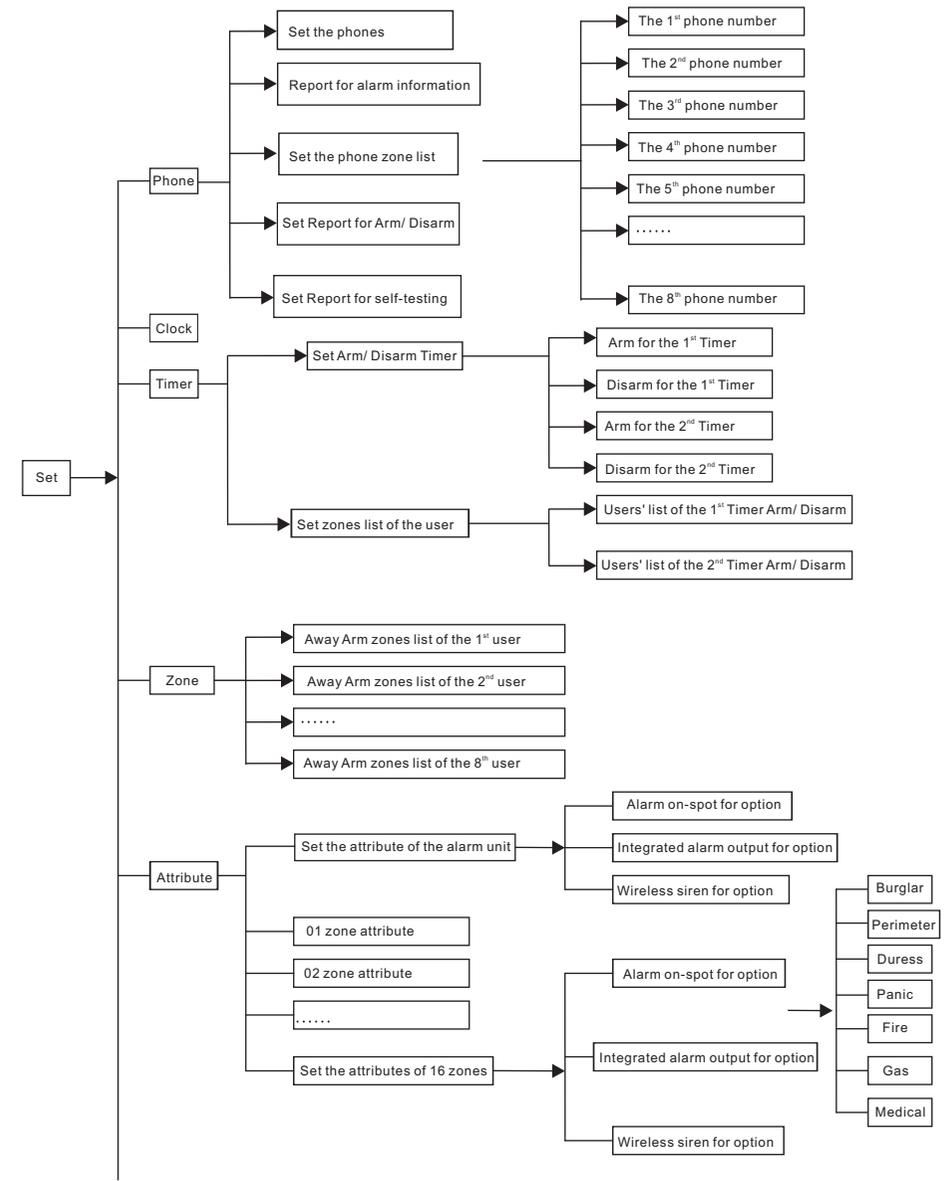
4.1 Index table of setting

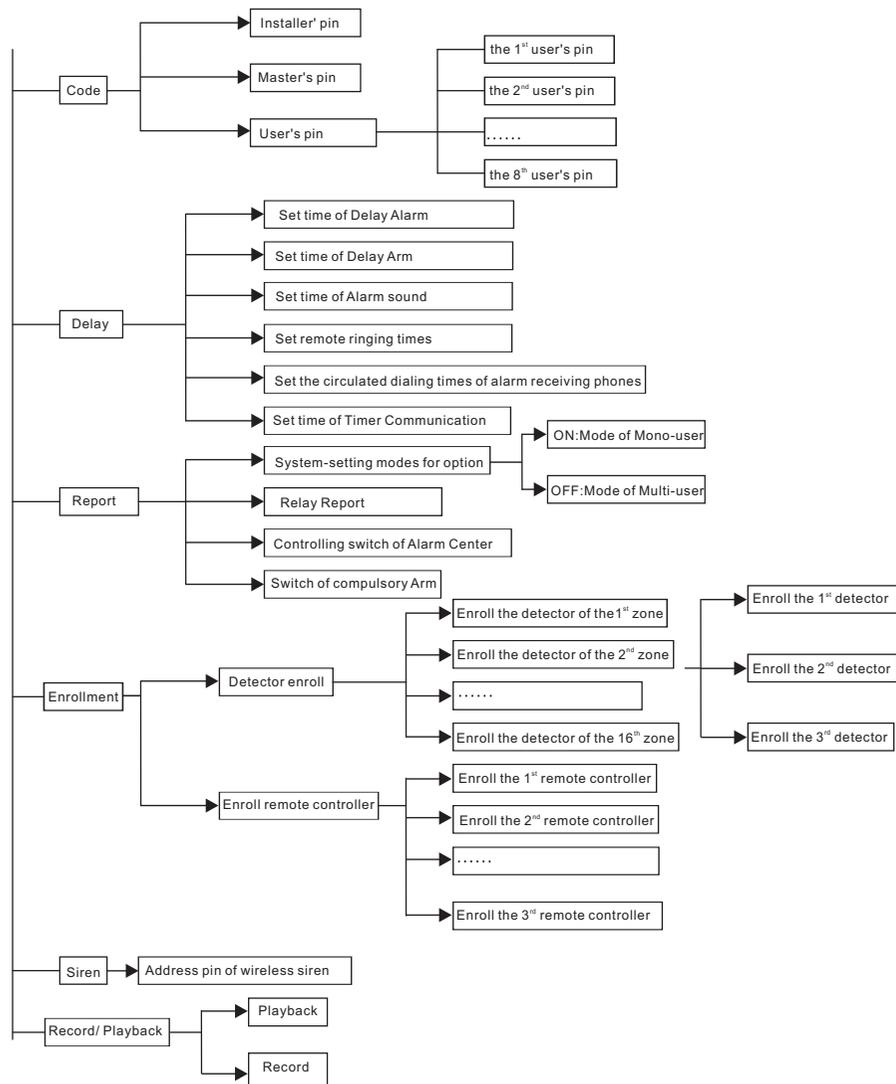
4.1.1 On the mode of Mono-use





4.1.2 On the mode of Multi-user





4.2 Operation specification

* It adopts Menu to guide the users. In the standby status, you can press [Set] and the alarm unit will require to input the user's pin and OK.

If the user's pin input is wrong with three times continually, the alarm will be activated for one minute. Any operations are not allowed during that time. The alarm will be locked 1 minute. After one minute, the user can press [Disarm] by remote controller to unlock the alarm system.

* Right operation with a short "Di"; Wrong operation with a long "Di".

* The alarm system will exit the standby status, if there is no operation within 60s.

* Pressing [Reset] means coming back to the previous menu or deleting the previous input.

* When the users set the alarm system, the users can press [*], [#] and [OK] key to reach the menu they want.

* The setup is available only when the system is in standby. During the set, the system won't respond any alarm. After exit from set, the system will enter Disarm. The users have to arm accordingly if need.

4.3 How to set phone/ CID

There are 5 sub-menus in Phone menu, as follows:

- * Set alarm phone number
- * Set alarm panel report
- * Set zone list for alarm phone
- * Set arm/disarm report
- * Set self inspection report

4.3.1 Set the alarm phones

* There are 8 alarm phones can be set. They can be set as Normal Phones or CID Phones. To insure the priority of CID, please set the CID alarm phone as the 1st alarm phone.

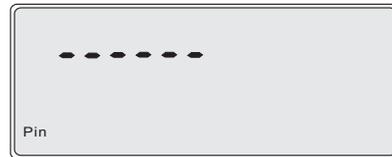
* 28 numbers can be included in the phone. The interface will turn a new page when input 11 digits of number.

* Inputting [*] for 2s pause, the LCD screen will show “ L”.

* Press the [phone numbers] + [OK] to setting the Normal phones; Press [phone number] + [#] + 4-digit CID account] to set the CID phone number. The 4-digit CID account should be in the range of 0000~9999. Input “#” , the LCD screen will show “ L” .

For example 1: The alarm system is connected with exterior line directly. Now set the mobile phone number “12345678” in the 1st alarm phone for CID, CID account 6789 Please read the following steps:

Step 1: In standby, press [Set] + [installer’s pin]+ [OK] to enter the setup menu

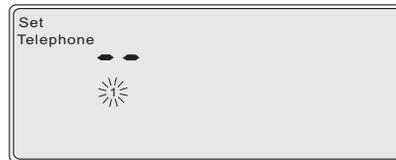


Picture 1

Step 2: Press [*] or [*] to select Phone Menu. When Phone Menu flashes, press [OK] to enter.



Picture 2



Picture 3

Step 3: It means the 1st phone number to be set when “1” flashes, press [OK] to enter.



Picture 4



Picture 5

Step 4: Press [12345678] + [#] + [6789] +[OK]. If it sets successfully, the LCD display will show PASS as Picture 7.

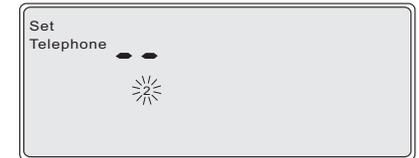


Picture 6

Step 5: To set the number of “77880088” as the second alarm center. Press [*] or [#] to select “2” as Picture 8. It means the 2nd phone number to be set when “2” flashes as Picture 9-10, press [OK] to enter.



Picture 7



Picture 8



Picture 9

Step 6: After inputting the numbers, press [OK] to confirm and the screen will display as Picture 11.



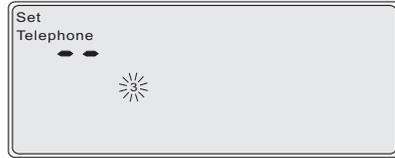
Picture 10



Picture 11

For example 2: The alarm system is connected with exchange line. The “0” is required before phone number. Now set the mobile phone number “12345678901” as the third phone. There should be a pause exchanger. Please read the following steps:

Step 1: In the phone menu, press [*] or [#] to select “3”, when “3” flashes, press [OK] to enter.



Picture 1



Picture 2

Step 2: Press [0 * 12345678901] + [OK]. If the setup is successful, the LCD display will show the PASS. Once the numbers is beyond 11 figures, the next figures will be displayed on next screen.



Picture 3



Picture 2

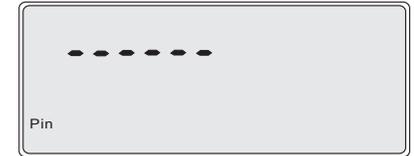
4.3.2 Set the information Report of the alarm unit, the zones list for related alarm phones, Arm/ Disarm Report and the self-inspection Report. When there is alarm occurring, “ON” is for Reporting to the alarm phones and “OFF” is turn off Reporting. The alarm panel report: emergency alarm activated by remote controller, emergency alarm of main unit, Tamper alarm of alarm unit, alarm activated by wrong pin input and duress alarm.

The zone report: Burglar and Tamper of detector, etc.

Self-inspection information: Low power of alarm unit, battery restoration, AC-off, AC restoration, low battery of detector, zone Bypass, zone restoration, GSM communication failure, GSM communication restoration and Timer communication, etc.

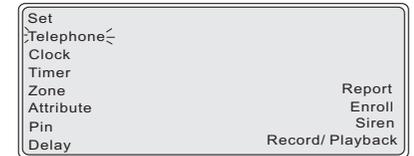
In the Phone menu, press [Set] key repeatedly to select the sub-menu, **For example 1:** When there is alarm occurring on the alarm unit, the alarm unit will Report it by the 2nd alarm phone. The operation is as follows:

Step 1: In standby, press [Set] + [Installer’s pin] + [OK] to enter the setup menu.



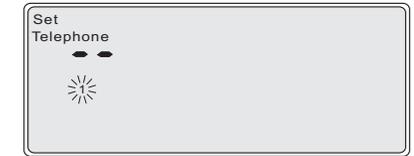
Picture 1

Step 2: Press [*] or [#] to select Phone Menu. When Phone Menu flashes, press [OK] to enter.



Picture 2

Step 3: Press [*] or [#] to select the 2nd phone number (the 2nd phone number is programmed ready), when “2” flashes, press [Set] to choose turn on Reporting. Then press [OK] to make sure and continue to press [*] to be in ON, to turn on Reporting.



Picture 3



Picture 4



Picture 5

Step 4: When there is displaying PASS on interface, it means the setting is successful.



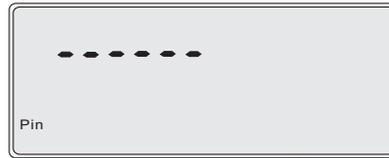
Picture 6



Picture 7

For example 2: When there is alarm on zone 01, 02, 06 and 12, the system will dial the 1st group of alarm phones. The operation is as follows:

Step 1: In standby, press [Set] + [Installer's pin] + [OK] to enter the setup menu.



Picture 1

Step 2: Press [OK] or [#] to select Phone Menu. When Phone Menu flashes, press [OK] to enter.

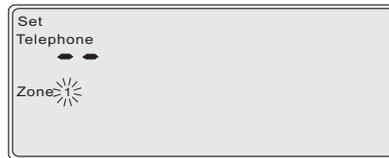


Picture 2

Step 3: Press [*] or [#] to select the 1st phone number (the 1st phone number is programmed ready), when "1" flashes, press [Set] twice to reach "Zones List" menu. Then press [OK] to enter the menu. And continue to press the zone number 01, 02, 06, 12.. Then press [OK]



Picture 3



Picture 4

Step 4: When there is displaying PASS on interface, it means the setting is successful.



Picture 5



Picture 6

For example 3: When there is alarm occurring on the alarm unit, the system will send Arm/ Disarm Report by the 3rd alarm phone.

Step 1: In standby, press [Set] + [Installer's pin] + [OK] to enter the setup menu.



Picture 1

Step 2: Press [*] or [#] to select Phone Menu. When Phone Menu flashes, press [OK] to enter.



Picture 2



Picture 3



Picture 4

Step 3: Press [*] or [#] to select the 3rd phone number (the 3rd phone number is programmed ready), when “3” flashes, press [Set] triple to reach arm/disarm Reporting menu. Press [OK] to enter, Press [*] to choose the ON. Then press [OK]



Picture 5



Picture 6



Picture 7



Picture 8

Step 4: When there is PASS displaying on interface, it means the setting is successful.

For example 4: When there is Arm/ Disarm on zone 01, 02, 03, the system will dial the 3rd group of alarm phone. The operation is as follows:

Step 1: In standby, press [Set] + [Installer’s pint] + [OK] to enter the setup menu.



Picture 1

Step 2: Press [*] or [#] to select Phone Menu. When Phone Menu flashes, press [OK] to enter.



Picture 2

Step 3: Press [*] or [#] to select the 3rd phone number when “3” flashes, press [Set] twice to reach “Zones List” menu. Then press [OK] to enter and continue to press the zone number 01, 02, 03. Then press [OK]



Picture 3



Picture 4

Step 4; Then press [Set] to reach the menu of “Arm/ Disarm Report”. Then press [OK] to enter, press [*] to choose ON. And Press [OK] to confirm



Picture 5



Picture 6

Step 5: When there is PASS displaying on interface, it means the setting is successful.



Picture 7



Picture 8

For example 5: When there is low power existing, the system will make Report by the 6th alarm phone.

Step 1: In standby, press [Set] + [Installer's pin] + [OK] to enter the setup menu.



Picture 1



Picture 2



Picture 3

Step 2: Press [*] or [#] to select Phone Menu. When Phone Menu flashes, press [Set] to enter.



Picture 4

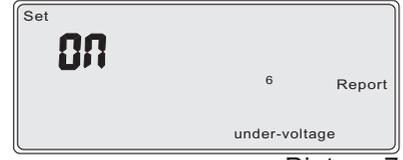


Picture 5



Picture 6

Step 3: Press [*] or [#] to select the 6th phone number (the 6th phone number is programmed ready), when "6" flashes, Then press [Set] repeatedly (quartic) to reach menu of "l-power". press [OK] to enter the low power menu, Press [*] to choose ON. Then press [OK] to confirm.



Picture 7



Picture 8

For example 6: When there is low power on zone 03, the system will make Report by the 6th alarm phone.

Step 1: In standby, press[Set] + [Installer's pin] +[OK] to enter the setup menu.



Picture 1

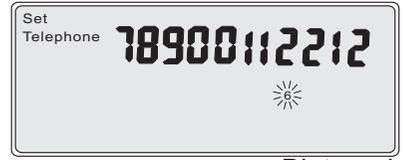


Picture 2

Step 2: Press [*] or [#] to select Phone Menu. When Phone Menu flashes, press [OK] to enter.



Picture 3



Picture 4

Step 3: Press [*] or [#] to select the 6th phone number when “6” flashes, press [Set] repeatedly to choose sub-menu of Zones List. Input zone number 03 and [OK] , Then press [Set] repeatedly (quartic) to reach menu of “I-power Report”. press [OK] to enter the low power menu, Press [*] to choose ON. Then press [OK] to confirm.



Picture 5



Picture 6



Picture 7



Picture 8

Step 4: When there is PASS displaying on interface, it means the setting is successful.

4.4 How to set Date

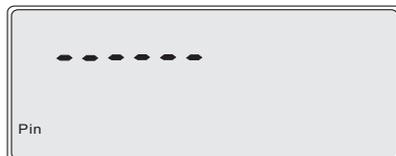
This date can be set according to local time. It is very important for Timer Arm/ Disarm and Record of alarm items. This alarm device have equipped with real-time module.

xx (2-digits for year) + xx (2 digits for month) + xx (2-digits for day) + xx Time (2-digits for hour) + xx(2-digits for minute) + x(1-digit for week)

For example 1: The system will be set to be 15:30 Jan. 5th, 2011. Wed..

The operation is as follow:

Step 1: In program, press [*] or [#] to select t “Date”, when the “Date” flashes, press [OK] to confirm.



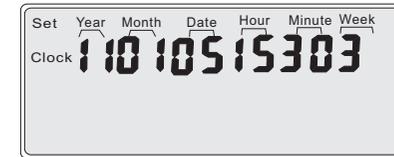
Picture 1



Picture 2



Picture 3



Picture 4



Picture 5

Step 2: Input [11010515303]+ [OK] if the setup is successful, the LCD screen will show “PASS”

4.5 Arm/ Disarm Timer

There are two groups of timer. Each group is composed of Arm time and Disarm time. The operation is as follows:

The sub-menu under arm/disarm timer,

- 1 is first group of arm timer
- 2 is first group of disarm time
- 3 is second group of arm time
- 4 is second group of disarm time

In the multi-user, press [Set] to select the menu of zone list.

xx (2-digits for hour) + xx (2-digits for minute) + 1-7(1-7digits for week)

* **On the mode of Mono-user:** two groups of Arm time and Disarm time.

It can realize to Arm/ Disarm in different time.

* **On the mode of Multi-user:** two groups of Arm time and Disarm time are corresponded to 8 users.

(Note: The specifications are referred to the term of 4.10.)

Note:

◎The time set for two groups are not allowed in the same. Otherwise, the set is not useful.

◎On the mode of Mono-user, the system will turn off the function of “Zones List of Timer Arm/ Disarm”.

For example 1: On the mode of Multi-user, the first group of timer of 01, 02, 03 zones, from Monday to Friday.

Arm time is 00:00, Disarm time is 08:00. The operation is as follows:

Step 1: In program, press[*] or [#]to select the Timer, if Timer Menu flashes, press [OK] to enter.



Picture 1

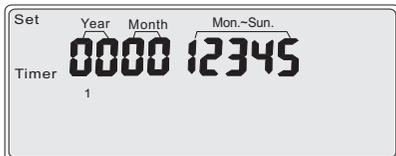


Picture 2

Step 2: “1” is for Arm of first timer, press [OK] to confirm. Press [080012345] + [OK], if the set is successful, the LCD will show PASS.



Picture 3



Picture 4

Step 3: Press [*] or [#] to select “2”, “2” is for disarm time of first group. Press [OK] to confirm.



Picture 5

Step 4: Press [080012345] + [OK] if the set is successful, the LCD will show PASS.



Picture 6

Step 5: In program, press [Set] to select the Zones List of Timer Arm/ Disarm, if this menu flashes, press [OK] to enter.



Picture 7



Picture 8

Step 6: Press [010203] + [OK] if the set is successful, the LCD will show PASS.



Picture 9



Picture 10

Note: “3” and “4” are for the Arm and Disarm for second group timer. Users can set accordingly.

4.6 Zone list

* **On the mode of Mono-user:** relate to the corresponding Arm/ Disarm Zones List.

* **On the mode of Multi-user:** relate to the corresponding Away Zones List of 8 users. Each user's zones list can be set alternately.

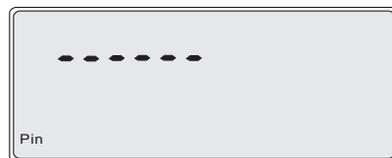
(Note: The selection of modes of Mono-user and Multi-user can be referred on the item of 4.10 "How to set Report").

Note: A) The zone number should be fixed to be 2 figures.

B) The Zones List of Mono-user & Multi-user modes can be conserved separately. If the user exchanges the mode, the Zone List would return to Default State.

For example 1: On the mode of Multi-user, set the Zones List of the 1st user: 03, 04, 11, 16 zone. The operation is as follow:

Step 1: In program, and in Mode of Multi-user. Press [*] or [#] to select the Zone, when Zone menu flashes, press [OK] to enter the item of "Away Arm".



Picture 1

Step 2: In the zone menu, there is "1" existing, "1" for zone list. When "1" flashes, press [OK] to confirm, the press [03, 04, 11, 16] + [OK] to set the Zones List. If the program sets successfully, the LCD display will show PASS.



Picture 2



Picture 3



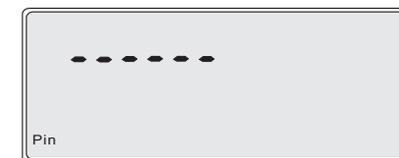
Picture 4



Picture 5

For example 2: On the mode of Mono-user, set the Zones List of Away Arm: 03, 04, 11, 16 zone; Set the Zones List of Home Arm: 01, 02, 03, 14, 15 zone

Step 1: In program, supposed that the Mode of Multi-user has been existed on the item of "Report". Press [*] or [#] to select the Zone, when Zone menu flashes, press [OK] to enter.



Picture 1

Step 2: In the zone menu, there have "1" and "2", "1" for zone list of Away arm, "2" for zone list of home arm. When "1" flashes, press [OK] to confirm, the press [03, 04, 11, 16] + [OK] to set the zone list of Away home. If the program sets successfully, the LCD display will show PASS.



Picture 2



Picture 3



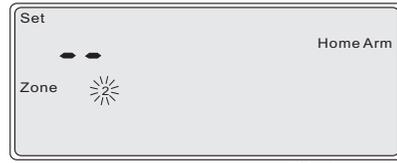
Picture 4

Step 3: In this zone menu. Press [*] or [#] to select "2" to set the zone list of home arm, when "2" flashes, press [OK] to confirm

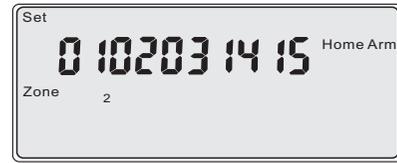


Picture 5

Step 4: Press [01, 02, 03, 14, 15] + [OK] to set the zone list of home arm.
If the set is successful, the LCD screen will show PASS.



Picture 6



Picture 7



Picture 8

4.7 Zone Attribute

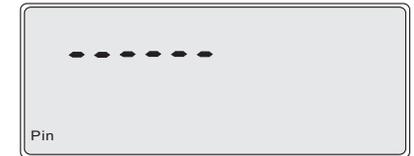
The system can set output of alarm panel. And set output and attributes of each zone separately. There are three kinds of output. As follows
On-spot alarm. "1" is ON and "0" is OFF.
Linkage output, "1" is ON and "0" is OFF.
Wireless siren, "1" is ON and "0" is OFF.
There are 7 kinds of zone attributes. The users can define the different zones according to the need. There are Burglar, Perimeter, Duress, Panic, Fire, Gas and Medical attribute.
The Attribute of alarm output adopts 2 digits of binary system. The first digit is for "on-spot Alarm", the second one is for "linkage Output" and the third one is for "Wireless Siren". "1" is ON and "0" is OFF.

	Burglar	Perimeter	Duress	Panic	Fire	Gas	Medical
Away Arm	✓	✓	✓	✓	✓	✓	✓
Home Arm	✓	✓	✓	✓	✓	✓	✓
Disarm	✗	✗	✓	✓	✓	✓	✓

Note: "✓" means alarm can be activate when the system is triggered;
"✗" means alarm can't be activate when the system is triggered.

For example 1: When there is Tamper alarm existing, the modes of on-spot Alarm, linkage Output and Wireless Siren are opened.

Step 1. In the program, press [*] or [#] to select Attribute. When Attribute Menu flashes, press [OK] to enter.



Picture 1



Picture 2

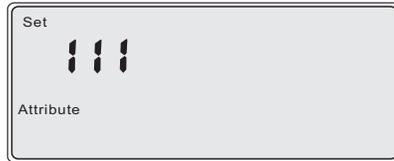
Step 2: Input "111" to select the modes of on-spot Alarm, Linkage Output and Wireless Siren n.
Then press [OK] to confirm.



Picture 3



Picture 4



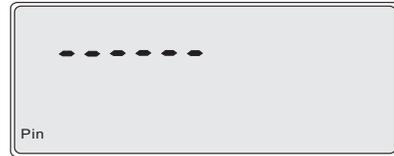
Picture 5



Picture 6

For example 2: Set zone 5 to be Perimeter. And open modes of Alarm On-spot and Wireless Siren and turn off the mode of linkage output when there is alarm existing.

Step 1. In the program, press [*] or [#] to select Attribute. When Attribute Menu flashes, press [*] to enter.



Picture 1

Step 2: press [*] or [#] to reach “5” (“5” is in flash). press [OK] to confirm for zone number



Picture 2

Step 3: Input “101” to select the modes of on-spot Alarm, linkage Output and Wireless Siren.

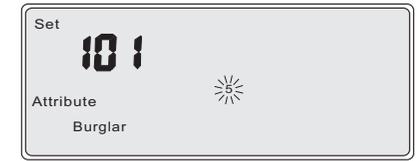


Picture 3



Picture 4

Step 4. Press [*] or [#] to reach “Perimeter” (“Perimeter” is in flash). Press [OK] to confirm.



Picture 5



Picture 6

4.8 Modify pin

* On the mode of Mono-user: two levels of pins: “Installer’s Code” and “User’s Code”

* On the mode of Multi-user: three levels of pins: “Installer’s Code”, “master’s Code” and “User’s Code”.

“Installer’s Code”: in the status of installing, it can set for all the items. It is set to be 6 digits of “000000-999999”. “000000” is default setting.
 “master’s Code”: it can set the items of Real-time, Timer Arm/ Disarm and User’s Code, etc. It is set to be 4 digits of “0000-9999”. “0000” is default setting. Please revise the master’s Code from your purchasing to avoid letting the pin out.

“User’s Code”: it can be set for Remote Setting, Arm/ Disarm of the system on the mode of Multi-user. It should be set to be 4 digits of “0000-9999”.

“Duress Code”: the duress pin is existed automatically by pulsing number “1” with the last number of master’s Code or User’s Code. If the last number is “9”, the last number of Duress Code is “0”. The other front numbers are the same. For example: the master’s Code is 1239. The Duress Code will be 1230.

The format is: in the status of Code setting, input [New Code] + [OK] + [New Code] + [OK].

(Note: the setting selection of Mono-user mode and Multi-user mode can be referred on the item of “Report”.)

Note: The master’s pin, 8 user’s pin and dress’ pin can’t be set as the same.

For example 1: On the mode of Multi-user, set the User’s Code of the 5th zone as 1357. The operation is as follow:

Step 1: In the program, and alarm panel in working mode of Multi-user.

Press [*] or [#] to select Pin. When Pin Menu flashes, press [OK] to enter.



Picture 1

Step 2: Press [Set] twice to enter “User’s Code”.

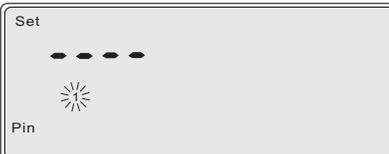


Picture 2

Step 3: When “1” is flashing, it means the 1st User’s Code. Press [*] or [#] to reach “5”. Press [OK] to confirm and input the New Code of [1357] + [OK] & [1357] + [OK] again. The LCD screen will show PASS if the set is successful.



Picture 3



Picture 4



Picture 5



Picture 6

For example 2: Set the master’s pin as 1111, the operation as follows:

Step 1. In the program, and alarm panel in working mode of Multi-user.

Press [*] or [#] to select Pin. When Pin menu flash, press [OK] to enter.

Step 2: Press [Set] to enter “master’s Code”.

Step 3: input the New Code of [1111] + [OK] & [1111] + [OK] again.

The LCD screen will show PASS if the set is successful.

4.9 How to set delay

There are sub-menus in Delay. As follows

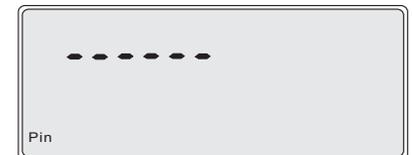
- 1 for alarm delay
- 2 for arm delay
- 3 for siren duration
- 4 for ringing times
- 5 for circulated dialing times
- 6 for timer communication

4.9.1 Alarm Delay

The Alarm Delay is the time range that is from the alarm trigger to the alarm activate.

The time range: 000~255s. If Alarm Delay time is “000”, that means alarm at once.

For example 1: Set the Alarm Delay to be 20s.



Picture 1

Step 1: In program, press [*] or [#] to choose “Delay”, when the Delay Menu flashes, then press [OK] to enter.



Picture 2

Step 2: “1” is for Alarm Delay, when “1” flashes, press [OK] to confirm.



Picture 3

Step 3: press [020] + [OK] to set the Alarm Delay. If the set is successful, the LCD screen will show PASS.



Picture 3

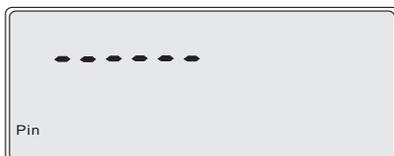


Picture 4

4.9.2 Arm Delay

Arm Delay is the time range from Armed by users to the arm activation. The time range: 000~255s. “000” mean Arm activate at once.

For example 1: Set the Arm Delay to be 30s.



Picture 1



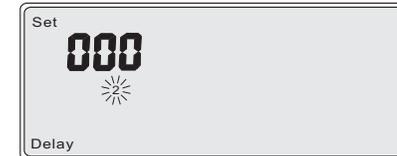
Picture 2

Step 1: In program, press [*] or [#] to choose “Delay”, when Delay Menu flashes, then press [OK] to enter.



Picture 3

Step 2: Press [*] or [#] to choose “2”. “2” is for Arm Delay, when “2” flashes, press [OK] to enter.



Picture 4

Step 3: Press [030] + [OK] to set the Arm Delay. If the set is successful, the LCD screen will show PASS.



Picture 5



Picture 6

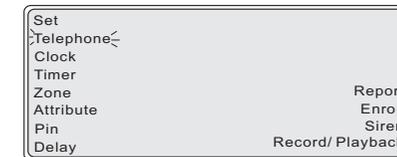
4.9.3 Siren duration

The range of siren duration is 01-99 minutes. It should be 2 digits.

For example 1: set the alarm sound time as 30 minutes. The operation is as follow:



Picture 1



Picture 2

Step 1: In program, press [*] or [#] to choose “Delay”, when Delay menu flashes, then press [OK] to enter.



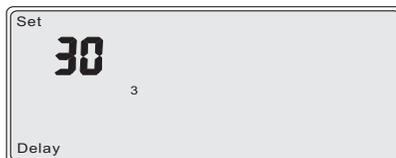
Picture 3

Step 2: Press [*] or [#] to select “3”. “3” is for Alarm sound time. When “3” flashes, press [OK] to enter.



Picture 4

Step 3: Press [30] + [OK] to set the Alarm sound time. If the set is successful, the LCD screen will show PASS.



Picture 5



Picture 6

4.9.4 Set ringing times

Dial the phone when the alarm connected, if the times of ring arrives that users set, the alarm system will enter the remote set automatically. The ring times range is 03-15 times. It should be 2 figures.

For example 1: Set the ring times to be 10 times.



Picture 1

Step 1: In program, press [*] or [#] to choose “Delay”. When the Delay Menu flashes, press [OK] to enter.



Picture 2

Step 2. Users can see “1” is flashing and press [*] or [#] to choose “4”. “4” is for ring time, press [OK] to confirm

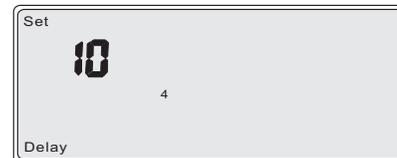


Picture 3



Picture 4

Step 3. Press [10] + [OK] to set the ring time



Picture 5



Picture 6

Note:

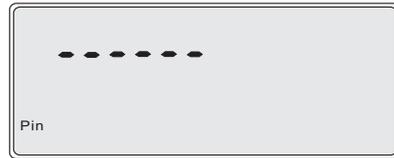
- * The ringing times are suggested to be set more times, otherwise it may affect the daily use.
- * It is suggested to set the ringing times to be more than 5 times. If users not used remote set, the ringing times can be set to be 15 times.

4.9.5 Set dialing time

The range of dialing times is 03-15. The number shall be 2 figures.

For example 1: Set the dialing times to be 10 times.

Step 1. In Program, press [*] or [#] to choose “Delay”. When Delay Menu flashes, press [OK] to enter.



Picture 1



Picture 2

Step 2: users can see “1” is flashing and press [*] or [#] to choose “5”. “5” is for ring time. Press [OK] to confirm.



Picture 3



Picture 4

Step 3. Press [10] + [OK] to set the ring times. If the set is successful, the LCD screen will show PASS.



Picture 5



Picture 6

4.9.6 Timer Communication

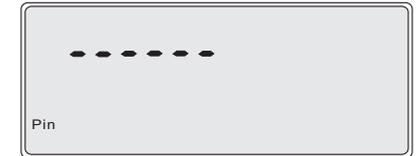
The timer communication is the communication between alarm panel and alarm center or users by telephone regular time. The range is: 00-99hours. The time of Timer communication is counted when power on.

‘00’ is to off the Timer communication.

Note: the Timer Communication would be re-counted once power off.

For example: set the timer communication to be 24 hours for alarm panel and alarm center.

Step 1. In the program, press [*] or [#] to select Delay. When Delay Menu flashes, press [OK] to enter.



Picture 1



Picture 2

Step 2: when “1” flashes, press [*] or [OK] to choose “6”. “6” is for Timer communication. Press [OK] to confirm



Picture 3



Picture 4

Step 3: Press [24] + [OK] to set the Timer Communication. If the set is successful, the LCD screen will show PASS.



Picture 5



Picture 6

4.10 How to set Report

There are sub-menus in Report. As follows:

- 1 for Working mode of alarm system (mono-user/multi-users),
- 2 for Relay Report,
- 3 for remote switch by alarm center
- 4 for Compulsory Arm Switch

4.10.1 How to select working mode of alarm panel

There are two modes for option: Mono-user and Multi-user.

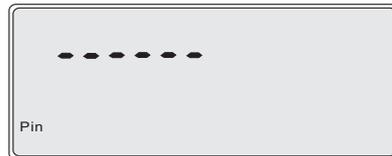
ON for mono-users, OFF for multi-user.

In the mode of Mono-user: set Away Arm and Home Arm of the system

In the mode of Multi-user: 8 users can set by their corresponding remote controller and user's code. Each remote controller can Arm/ Disarm its corresponding user independently.

For example 1: Set the mode of the system as Mono-user mode. The operation is as follow:

Step 1: In program, Press [*] or [#] to choose "Report". When Report Menu flashes, press [OK] to enter.



Picture 1

Step 2: "1" is for set the working mode of panel., when "1" flashes, press [OK] to enter.



Picture 2

Step 3: Press [*] or [OK] to choose "ON" or "OFF". ON for mono-users, OFF for multi-user.

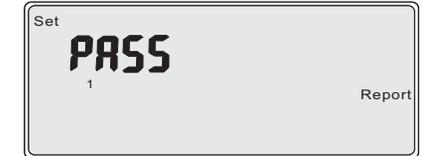


Picture 3

Step 4. Choose the ON, and press [OK] to confirm. If the set is successful, the LCD screen will show PASS.



Picture 4



Picture 5

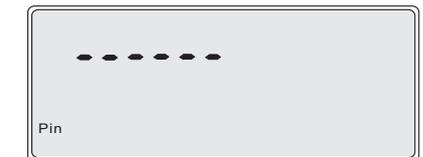
4.10.2 Relay Report

Users can set ON/OFF for integrated devices when alarm status change (like arm, disarm or alarm). The information is listed as follows:

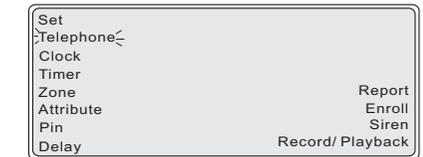
Integrated Devices \ Indications	Arm	Disarm	Alarm
Siren	A "Di"	Flash twice	activate
Alarm Light	Flash once	Red light flash once per 5s	Light
Warning Sign	Green light flash once per 5s	Red light flash once per 5s	Red light flash quickly

For example 1: Turn on "Relay Report"

Step 1: In program, Press [*] or [#] to choose "Report". When "report" Menu flashes, press [OK] to enter.



Picture 1



Picture 2

Step 2: “2” is for Relay report ON/OFF, press [*] or [#] to choose “2” when “2” flashes, press [OK] to enter.



Picture 5

Step 3: press [*] or [#] to choose “ON” or “OFF”.



Picture 5

Step 4. choose the ON, and press [OK] to confirm. If the set is successful, the LCD screen with show PASS.



Picture 5



Picture 6

4.10.3 Remote Switch by alarm center

“ON” is to tune on, OFF is to turn off the remote switch by alarm center.

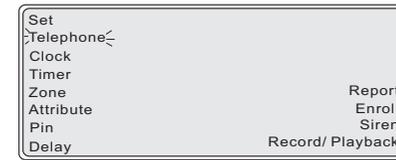
Note: the alarm center shall be assigned by factory.

For example 1: the alarm unit allows to be controlled remotely. The operation is as follow:



Picture 1

Step 1: In program, press [*] or [#] to choose “Report”. When “report” Menu flashes, press [OK] to enter.



Picture 2

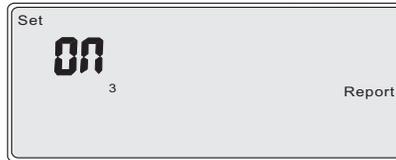
Step 2: When “1” is flashing, press [*] or [#] to reach “3”. Press [OK] to enter, press [*] to choose “ON”. Then press [OK] again to make confirmation.



Picture 3



Picture 4



Picture 5



Picture 6

4.10.4 Compulsory Arm switch

“ON” is to tune on, OFF is to turn off the switch.

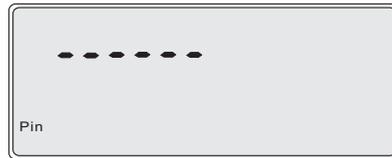
Compulsory Arm: when wired zone is in trouble, it allows the user Arm this zone. The system will Bypass the troubled zone automatically. Once the troubled zone restores, this zone will enter the status of Arm.

Un-compulsory Arm: when wired zone is in trouble, it doesn't allow the user Arm this zone. The zone's trouble should be deleted at first, then it can be Armed again.

Note: If Compulsory Arm is activated, the troubled zones still exist in arm status.

For example 1: the alarm unit allows to Compulsory Arm. The operation is as follow:

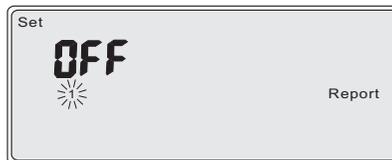
Step 1: In program, press [*] or [#] to choose “Report”. When “Report” Menu flashes, press [OK] to enter.



Picture 1



Picture 2

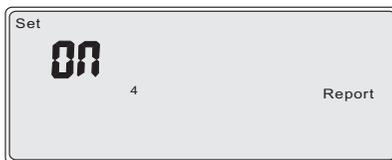


Picture 3

Step 2: When “1” is flashing, press [*] or [#] to reach “4” is for Compulsory Arm ON/OFF, press [OK] to enter. press [*] to choose “ON”. Then press [OK] again to make confirmation.



Picture 4



Picture 5



Picture 6

4.11 How to make enrollment

There are sub-menus in Enrollment. As follows,

1 is for 1-16 zones detectors enrollment

2 is for 1- 8 remote controllers enrollment

The standard kit has collocated wireless accessories (such as wireless door sensor, detector and remote controller) when they are ex-factory. If the users need to add additional detectors or remote controllers, the operation as follows:

Note: In the process of enrolling, a long “Di” is to alert users that the detector has been existed in alarm system, the repeated enrol is not allowed.

4.11.1 Enroll detectors

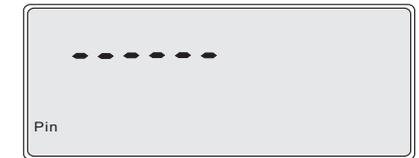
The system supports 16 wireless zones and each zone can enroll 3 detectors.

In the zone menu, 1 for 1st detector, 2 for 2nd detector, 3 for 3rd detector of this zone

Users can trigger the detector to send the signal by power switch, tamper switch or trigger PIR.

For example 1: Enroll with the detectors of the 1st detector on the 2nd zone.

Step 1: In program, press [*] or [#] to choose “Enroll”. When Enroll menu flashes, press [OK] to enter.

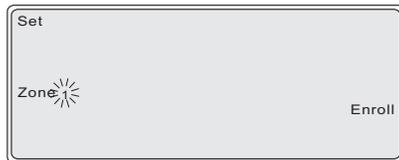


Picture 1



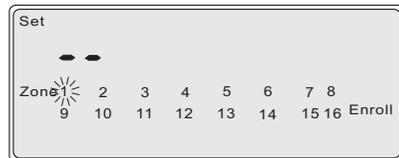
Picture 2

Step 2: Press [*] or [#] to choose “1”. “1” is for Enroll Detectors, when “1” flashes, press [OK] to enter.



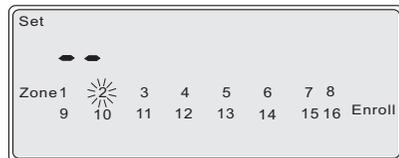
Picture 3

Step 3: Press [*] or [#] to reach “2”. “2” is for the 2nd zone. Press [OK] to confirm

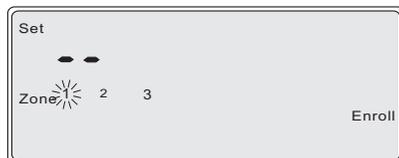


Picture 4

Step 4. Trigger detector. Once the alarm system receives the signal, the LCD screen will show the code of detector. That means the set is successful



Picture 5



Picture 6



Picture 7

4.11.2 Delete the enrolled detectors

For example 1: Delete the enrolled detector of the 1st detector on the 2nd zone. Please repeat the operation of Step 1-3 on 4.11.1. Then set as follow:

Press [OK] twice. If the LCD screen show as Picture, the deletion is successful.

4.11.3 Enroll remote controllers

The system supports 8 remote controllers and each remote controller corresponds with the 8 users or main user.

For example 1: Enroll of remote controller in 5th number.

Step 1: In program, press [*] or [OK] to reach “Enroll”. When Enroll Menu flashes, press [OK] to enter.



Picture 1

Step 2: Press [*] or [#] to choose “2”. “2” is for remote controller program, when “2” flashes, press [OK] to enter.

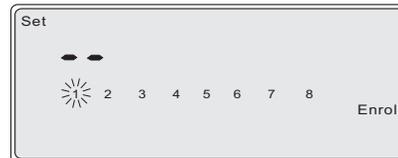


Picture 2

Step 3: Press [*] or [#] to choose “5”. “5” is for the 5th remote controller. Press [OK] to enter



Picture 3

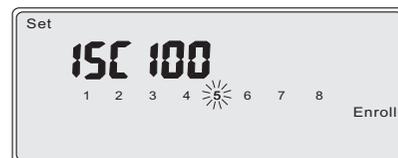


Picture 4

Step 4. Trigger any key of remote controller to remit. Once the alarm system receives the signal, the LCD screen will show the code of remote controller, it means the set is successful



Picture 5

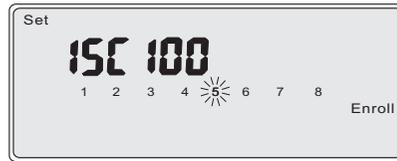


Picture 6

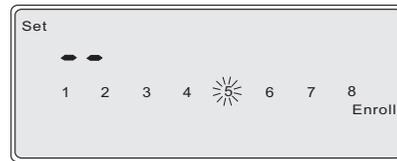
4.11.4 Delete the enrolled remote controller

For example 1: Delete the enrolled detector of the 5th remote controller. Please repeat the operation of Step 1-3 on 4.11.3. Then set as follow:

Press [OK] twice. If the LCD screen show as Picture, the deletion is successful.



Picture 1



Picture 2

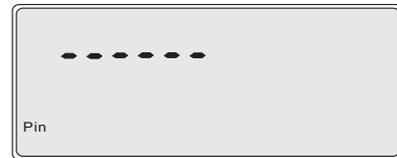
4.12 Wireless siren code

The “siren” menu is to enroll the code of wireless siren. The wireless siren code should be as 8 digits quaternary.

The wireless siren output shall refer to 4.7 attributes.

For example 1: Set wireless siren code as “12332100”. The operation is as follow:

Step 1: In program, press [*] or [#] to reach “Siren”, when the Siren Menu flashes, Press [OK] to enter.



Picture 1



Picture 2



Picture 3

Step 2. Press [OK] + [12332100] to set the wireless siren code. And press [OK] again to make confirmation. If the set is successful, the LCD will show PASS.



Picture 5



Picture 6

4.13 Voice Record

The system supports 20s Voice Record to record the alarm information by users. The operation is as follows:

Step 1. In program, press [*] or [OK] to reach “Rec/Play”. When “Rec/Play” Menu flashes, press [OK] to enter.



Picture 1



Picture 2

Step 2. Press [*] or [#] to reach “2”, “2” is for record new voice, press [OK] to start to record. The voice is not beyond 20 seconds, press [OK] to finish the voice record.



Picture 3



Picture 4

Step 3: After finishing record, “2” is flashing. Press [*] or [#] to reach “1”, and press [OK] to playback the recorded voice.



Picture 5

Note: 1. It is suggested to playback and check the new record. Rerecord the voice once unsatisfied.



Picture 6

2. In order to prolong the ringing time when receiving the alarm phone, the record voice should be considered to extend.



Picture 6

4.14 Factory default

No.	Programming Items		Factory Default
1	Phone	8 groups of phones	Blank
		8 groups of Alarm Report	ON
		8 groups of Zones List	01020304050607080910111213141516
		8 groups of Arm/ Disarm Report	OFF
		8 groups of Self-inspection Report	OFF
2	Clock		
3	Timer	Mono-user mode 2 groups of Timer Arm/ Disarm	Blank
		Multi-user mode 2 groups of Timer Arm/ Disarm	Blank
		2 groups of user's Zones List	0102030405060708
4	Zone	Mono-user mode Away Zones List of main user	01020304050607080910111213141516
		Home Zones List of main user	01020304050607080910111213141516
		Multi-user mode Away Zones List of the 1st-8th users	01020304050607080910111213141516
5	Attribute	Main unit	110
		16 zones	110/ burglar

6	Code	Mono-user	Installer's Code	000000
			Master's Code	1234
		Multi-user	Installer's Code	000000
			Master's Code	1234
		User's Code	Blank	
7	Delay	Delay Alarm		000 (No delay)
		Delay Arm		000 (No delay)
		Alarm Sound Time		05
		Ringing Times		05
		Dialing Times		03
		Timer Communications		00 (No communication)
8	Report	System Mode		OFF (Multi-user mode)
		Relay Report		OFF
		Remote Controlling Switch		OFF
		Compulsory Arm Switch		OFF
9	Enroll	Enroll detectors		Blank
		Enroll remote controllers		Two remote controllers
10	Siren	Wireless siren code		00000000
11	Voice Record/ Playback	Playback		00
		Record		

4.15 Installer set

Installer code is 12*48#.

In Installer Set menu, 1 is for “Recover installer’s code”. 2 is for “recover the factory default”

A) Recover the installer’s code to be factory default (000000).

Step 1: In standby, Press [12*48#] + [OK]

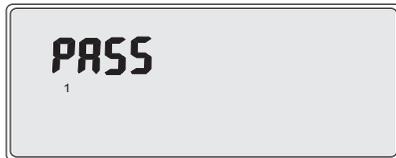


Picture 1

Step 2: Users can see “1” flashing.
Press [OK] to recover the installer’s
code to factory default (000000).
If the set is successful, The LCD
screen will show PASS.



Picture 2



Picture 3

B) Recover the factory default

Step 1: In standby, Press [12*48#] + [OK]

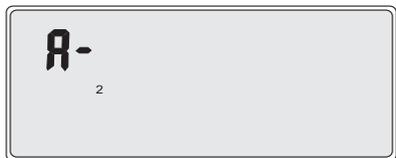


Picture 1

Step 2: Users can see “1” flash. Press [*] or [#] to reach “2”. When “2” flashes, press [OK] to delete all setting to factory default. If the set is successful, the LCD screen will show PASS.



Picture 2



Picture 3



Picture 4



Picture 5

Note: Please don’t operate the other items haven’t been mentioned on the manual without permission.

V Technology Parameter

5.1 Alarm unit

Size: 264.2 X 179.6 X 47.6 mm (L*W*H), error ±1mm

Power: AC220V DC13.8V 500mA

Wireless distance: (PIR to unit) ≥300m

Wireless frequency: 433.92MHz:

AUX output current: ≤ 80mA

≤150mA (with GSM)

Wireless modulation: OOK

Assistant Power: DC12V 150mA

Alarm decibel: >90dB (Max & Within 1m)

Working environment: Working Temperature: -10℃~+55℃

Relative Humidity: 10%~80%

VI Maintenance

6.1 Regular test

It is suggested to test the system per one month to make sure the normal working of the system.

6.2 Clean the alarm unit

Please take cotton cloth or sponges with water to clean the alarm unit.

Note: Don’t use anything with organic solvents to clean the system, such as coil oil, superglue, etc. Lest should destroy the system.

VII Exclude the Simple Troubles

Situations	Reasons	Solutions
Press the remote controller but without enlightened indicator. Or the distance of remote controller is too close.	Low power of the remote controller.	Change the battery of the remote controller.
Low-battery on is reported from one zone.	The battery is of low power.	Change the detector’s battery.
Wrong alarm of wireless detector in usual	The installation position is wrong.	Re-install the detector.
	Battery is of low power. Indicator flashes once per 5s.	Change the battery.

The wired zone doesn't make alarm or alarm wrong when triggered.	Wrong connection or defect touch.	Check whether the anode & cathode of power wire and signal terminal are connected right or not; check whether the terminal is tightened up or not.
	Wrong connection with sewing resistance.	Connect with 2.2K sewing resistance as the manual instruction.
The system can't dial the alarm phones when the extension phone was received.	Check whether there is wrong connection between the phone line and local calls line.	Change the position between them.
When the alarm system is in standby status, the system didn't indicate with line-cut.	Test whether line-cut is ON or not.	Turn "Test for line-cut" to ON as manual instruction.
The clock can't work normally.	The button battery of the unit is destroyed.	Change the button battery
	The crystal of clock chip isn't activated.	Re-set the time of system.
"Burglar" and "Perimeter" zones can not make alarm by triggering in Arm status.	The zone list is not set correct.	Re-set the zone list.
There is no alarm on-site, when the alarm system is making alarm.	1. The system was set to be Mute alarm; 2. The zone attribute was defined as "Duress".	Re-set the system according to the setting of manual.
The wireless siren can not make alarm in gear, when the alarm system is making alarm.	1. The address code of siren was set to be wrong. 2. The function of Siren was not ON.	Re-set the system according to the setting of manual.
It can't be Armed.	The wired zone is in trouble.	Restore the wired zone or turn on compulsory Arm.

VIII The limitation of this alarm system

While this system is an advanced design security system, it does not offer guaranteed protection against burglar or fire or other emergency. Any alarm systems, whether commercial or residential, is subject to compromise or failure to warn for variety of reasons. For example:

- 1 Owing to the omission of the user, the system wasn't Armed.
- 2 Misunderstanding on the user's manual by the user or installer causes the abnormal working of the system.

3 Intruders may gain access through unprotected openings or have the technical sophistication to bypass an alarm sensor or disconnect an alarm warning device. Passive Infrared Motion Detectors can only detect intrusion within the designed ranges as diagrammed in their installation manual. They do not provide volumetric area protection. They can not detect motion or intrusion that takes place behind walls, ceiling, floors, closed doors, glass partitions, glass doors, or windows.

4 Passive Infrared Detector sense changes in temperature; however, as the ambient temperature of protected area approaches the temperature range of 30°C to 40°C, the detection performance will decrease.

5 It is exiting no-power or battery-aging.

6 Alarm warning devices such as sirens, bells or horns may not alert people or wake up sleeper if they are located on the other side of closed or partly open doors.

7 Phone lines needed to transmit alarm signals from a premise to a central monitoring station may be out of service or temporarily out of service. Phone lines are also subject to compromise by sophisticated intruders.

8 The most common cause of an alarm system not functioning when an intrusion or fire occurs is inadequate maintenance. This alarm system should be tested weekly to make sure all sensors and transmitters are working properly.

9 The wireless communication distance is the testing figure in open area. Please make sure no obstacle in the surrounding environment to guarantee the reliability of the wireless communication distance farther.

10 If you disagree with the above mentioned items, please return the alarm system to our company within 3 days from purchasing. Installing an alarm system may make one eligible for lower insurance rates, but an alarm system is not a substitute for insurance. Homeowners, property owners and renters should continue to act prudently themselves and continue to insure their lives and property.