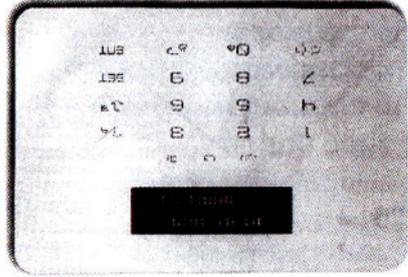


Touch Screen Wireless Alarm System



User's Manual

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I. FOREWORD

Thank you for purchasing and using character LCD touch screen wireless smart alarm system. This is a high performance intrusion alarm system, which can provide you with safer environment and better family protection.

In order to use this alarm system properly and efficiently, please read the following information before use.

II. SYSTEM CONFIGURATION AND FEATURES

★ SYSTEM CONFIGURATION

System components: (Basically includes alarm host and optional accessories)

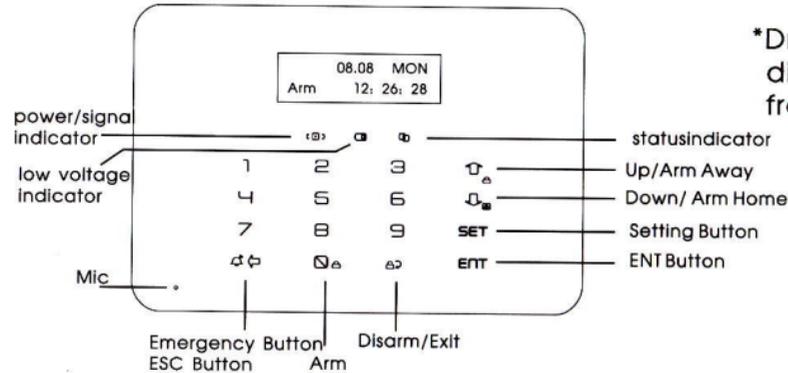
alarm host	original packaged accessories	optional accessories
character LCD screen alarm host	wireless remote controller x2pc, wireless door sensor x1pc, wireless wide angle PIR sensor x1pc, wireless indoor siren x1pc, installation trestle x1kit, adaptor x1pc, user manual x1pc	wireless smart door/window sensor, wireless smart PIR sensor, wireless/wired gas detector, wireless/wired smoke detector, wireless operation keypad, wireless/wired outdoor siren, doorbell button, etc

★ FEATURES

- Host is compatible with Contact ID protocol, suitable to build CMS (Central Monitoring Station);
- Touch button keypad, date, day of a week, time, system status and corresponding zone number and sensor name will be displayed on LCD screen;
- Multi-languages: simplified Chinese \ English \ German \ French \ Hebrew, etc, to meet different market requirements;
- 31 wireless zones (each zone supports max 4 wireless sensors, 2 dedicated zones were preset for wireless remote controllers or wireless operation keypad). 8 wired zones is optional;
- In system can preset max 5 groups phone numbers, alarm call will be in first priority;
- Learn sensors into alarm host by easy operation;
- System has non-volatile chip, information will be stored automatically if power is off;
- Optional smart function, check door \ window status or voltage status automatically, low voltage of host or sensor will alarm, upload low voltage status to CMS;
- Support optional wireless "ding-dong" doorbell function;
- System works with AC \ DC power supply, with Low-voltage Indicators. System has built-in rechargeable lithium battery, it will alarm when low power happens or external power supply is cut;
- Store max 100 alarm records and 100 arm \ disarm records
- Dual network or GSM network alarm host can send alarm info by SMS or PHONE CALL;
- PSTN network alarm host can send alarm info by PHONE CALL;
- Dual network or GSM alarm host can arm/disarm system by PHONE CALL, or SMS, or WIRELESS REMOTE CONTROLLER, or HOST KEYPAD, or WIRELESS REMOTE PANEL;
- PSTN alarm host can arm/disarm system by PHONE CALL, or WIRELESS REMOTE CONTROLLER, or HOST KEYPAD, or WIRELESS REMOTE PANEL;

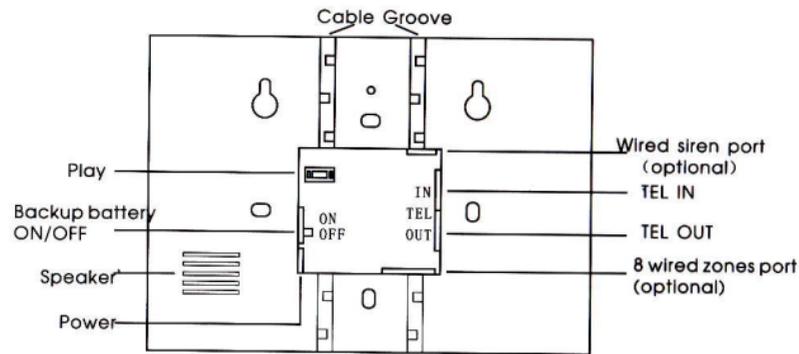
III. SYSTEM INTRODUCTION

★ DRAFT OF ALARM SYSTEM

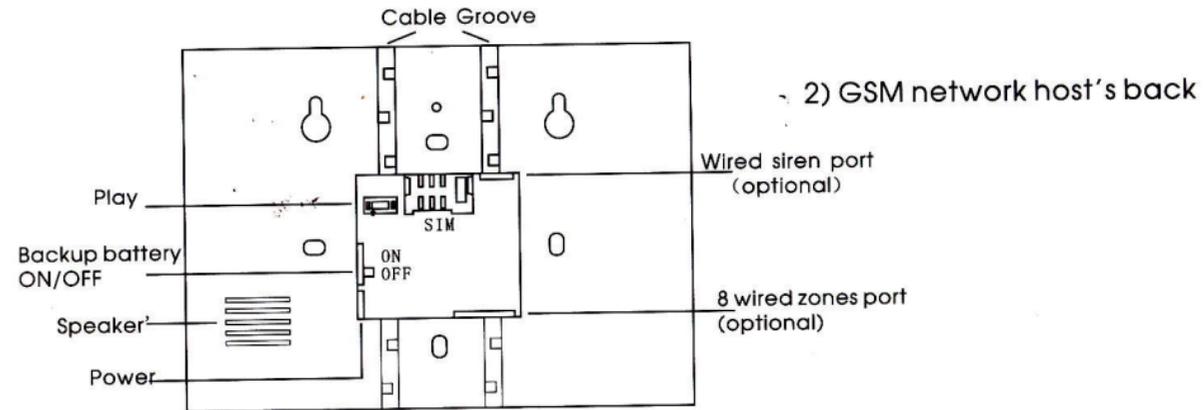


*Draft of alarm host (Hosts with different networks have same front panel)

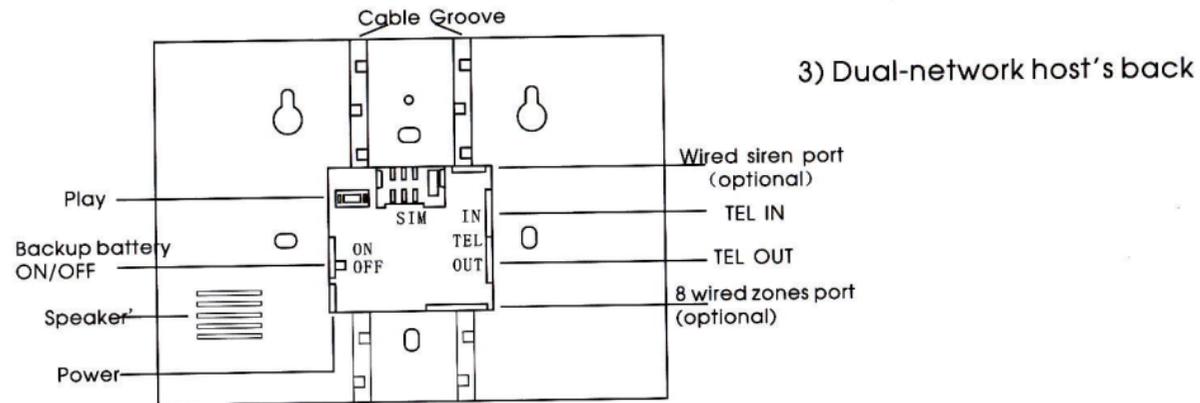
*(Hosts with different networks have different back view)



PSTN network host's back



2) GSM network host's back



3) Dual-network host's back

★ SPECIFICATIONS

- Power supply: 100~240V, 12VDC, 1A;
- Static current: <50Ma Alarm current: <500mA;
- Standby time: around 16 hours;
- Full charging time: 12 hours;
- Working condition: Temperature -10°C ~ 50°C Humidity<80%;
- Support max 8 remote controllers, and max 116pcs wireless sensors, like door/window sensor, PIR sensor, and wireless gas detector;
- System wireless frequency 433.92MHz or 868.35MHz;
- 3 Bands or 4 Bands is optional for GSM host or dual-network host;
- System has rechargeable built-in lithium battery 3.7V800mAH;
- Product dimension: 168mm*112mm*26mm

★ ZONE TYPE DEFINITION

- Zone types: Perimeter zone, Motion zone, Emergency zone
- Definitions:
 1. Perimeter zone: it is a detecting area, through which the intruder will pass (like the door, or window), usually in this area wireless door\ window sensor, wireless PIR curtain detector are installed.
 2. Motion zone: it is a detecting area, through which the intruder will enter (like living room, aisles and bedrooms, etc.), usually here wireless infrared wide-angle detectors is installed.
 3. Emergency zone: Usually means the space like the emergency area (such as SOS, medical rescue, gas leakage and fire alarm, etc. This zone is kept in arming status for 24H automatically. Generally set panic button, wireless gas sensor, wireless smoke sensor.

★ ARM MODE INTRODUCTION

- Arm mode: Arm Away, Arm Home
- Definition of Arm mode:
 1. "Arm Away" mode: This mode is set when nobody is home, if any detectors in perimeter zones and motion zones get triggered, the host will alarm immediately and dial "Panic" automatically at the same time.
 2. "Arm Home" mode: This mode is set when family member is home, if any detectors in perimeter zones get triggered, the host will alarm immediately and dial "Panic" automatically. It will not alarm if any detectors in the motion zone are triggered now.

★ HOW TO OPERATE THE ALARM HOST

● PREPARATION BEOFRE USE

*Do this progress 1 and 2 when system in power off status;

1. Insert SIM card properly (For GSM host and dual-network host);
2. Connect the telephone cable (For PSTN host and dual-network host);
3. Connect power supply;
4. Switch the side button on the panel to position "ON" to turn on the backup battery;
5. Check the GSM signal is OK or not

● HOW TO CHECK SIGNAL STATUS

1. In standby screen, press "↑" or "↓", you will see draft as below.

- ① If the SIM card is well installed, you will see: Signal Level
XX YY. XX are digits from 0~31, means the signal status.
The larger the digit is, the stronger the signal will be;

Signal Level: XX YY

② If the SIM card is not well installed or installed, you will see:
 NO SIM CARD XX NO. It means no SIM card is detected or it is not well install, system in no signal status;YY stands for signal status, OK is good, No is weak (you need to adjust host's installation position or reinsert the SIM card.

NO SIM CARD: XX YY

2. You can also check the signal status by checking LED indication;

Type	Frequency range	GSM Signal OK	Signal is bad or SIM card is not installed well
3-Band	(900/1800/1900 MHZ)	Indicator flashes every 2 seconds	Indicator flashes every 1 second
4-Band	(850/900/1800/900 MHZ)	Indicator flashes every 3 seconds	

3. Press "ESC" to get back to standby screen. Or get back to standby screen automatically after 30 seconds without any operation.

● HOW TO PROGRAM

NOTE:

- *The host will get back to standby screen if no any operation is processing within 30 seconds
- *It will get back to the previous menu if you press "ESC";
- *If you type in the codes by mistake for 3 times, the host will get back to the standby mode;
- *You can press "↑ ↓" to check programming menu in programming mode, or to check alarm info records in standby screen.

A. Programming menu preview

Main menu	Sub-Menu1	Sub-Menu2	Sub-Menu3	Sub-Menu4	Sub-Menu5	Remark
Set Time	Set time					Hour/minute/second
Set Date	Set Date					Year/Month/Day/Week
Auto-dialer#'s	Personal Nbr Call Center	Call by phone SMS reporting				Alarming phone number, Group 2~5 for personal Pls notes: Lanline host panel only with "Call by phone" in Sub-menu2; GSM panel and Dual network panel would with both "Call by phone" & "SMS reporting" in Sub-menu2
Entry Delay	Entry delay					Time delay for enter
Exit Delay	Exit Delay					Time delay for exit
Siren On/Off	Emergency siren	Perimeter siren	Motion siren			Duration time of alarming sound
Arm/Disarm Beep	Arm/Disarm Beep Yes No					No need to setup for personal use
User Id	Enter Usercode					No need to setup for personal use
Upload Satus?	Upload status? Yes No					No need to setup for personal use

Main menu	Sub-Menu1	Sub-Menu2	Sub-Menu3	Sub-Menu4	Sub-Menu5	Remark
Cut Wire Alarm?	Cut Wire Alarm? Yes No					Only applicable for PSTN
Zone Attribute	Zone number XX	Zone type 2 1 0	Alarm Type XX	Bypass Zone? Yes No	Entry Delay Set? Yes No	Needed when adding wireless sensors
Set Smart Zone	Zone number	Smart Sensor ON Yes No	Door Status OP/CL	Zone Indicator Yes No		Detect and indicate open/close states of doors/windows
Program Sensor	Zone number XX	Group Number X	Activate Sensor Delete Sensor	Activate Sensor Learning/ Deleting Success		For Adding or deleting wireless sensor
Wireless Code	Wireless Code XXXX					Usually no need for users
Alarm History	XX: Button Call Failed					For checking alarming history records.
Status History						For checking working records

B. Detailed programming instructions:

*How to get into the programming menu In standby screen, operate as **【SET+programming code+ENT】** (Note: default programming code is 888888, 6 digits)
NOTE: If enlist the user code 3 times by mistake, the host will get back to the standby screen automatically.

1. How to **【Set time】** :

In standby screen, operate as **【SET+programming code+ENT+ENT+press←to delete the existing digits xxxxxx + enlist current time + ENT】**

NOTE: "xxxxxx", 6 digits, means "hour, minute, second", each of them takes 2 digits space. E.g. you may press 142120, the host time will be 14:21:20.

2. How to **【Set Date】** :

In standby screen, operate as **【SET+programming code+ENT+press↓to go to "Set Date"+ENT+press "←" to delete existing digits xxxxxx + enlist current date and week +ENT】**

NOTE: "xxxxxxx", 7 digits, means "year, month, day and week". E.g.: if you enlist 0701174, means Jan 17th, 2007, Thursday. (last digit can be from 0 to 7, means from Sunday to Saturday.)

3. How to set **【Auto Dialer# 's】** :

In standby screen, operate as **【SET+programming code+ENT+press↓to go to "Auto Dialer# 's"+ENT+press "←" to delete existing digits xxxx+enlist new center number+ENT+press UP OR DOWN to choose "call by phone/SMS Reporting"+ENT+press to cancel existing number, enlist new telephone number + ENT+ call by phone/SMS Reporting + ENTto go to third group setting】**

NOTE:

*Totally 5 group's telephone/mobile numbers;

*The first group is set for management center; other 4 groups are ready for personal numbers;

*Alarm information reporting method: send the alarm info by SMS to enlisted mobile phone (GSM host and Dual-network host), or send alarm info by making a call to the enlisted phone

numbers (All hosts);

You will get SMS like "System Alarming XX, YYYY" once the system is triggered. "XX" means zone number; "YYYY" means the sensor info.

4. How to set **【Entry delay】** :

In standby screen, operate as **【SET+programming code+ENT+press to go to Entry Delay+press←to delete existing digits xx, enlist new digits xx + ENT】**

NOTE:

* "xx", 2 digits, from 00~59, default digit "00"; E.g. if here you enlist 15, it means the indoor siren will start alarm in 15 seconds;

4. How to set **【Entry delay】** :

In standby screen, operate as **【SET+programming code+ENT+press to go to Entry Delay+press ←to delete existing digits xx, enlist new digits xx + ENT】**

NOTE:

* "xx", 2 digits, from 00~59, default digit "00"; E.g. if here you enlist 15, it means the indoorsiren will start alarm in 15 seconds;

5. How to set **【Exit delay】** :

In standby screen, operate as **【SET+programming code+ENT+press ↓ to go to Exit Delay+press←to delete existing digits xx, enlist new digits xx + ENT】**

NOTE:

* "xx", 2 digits, from 00~59, default digit "15"; E.g. if here you enlist 30, it means the system will be armed in 30 seconds, you will have 30s to collect your staff and get out of the house;

6. How to set **【Siren On/Off】** :

In standby screen, operate as **【SET+programming code+ENT+press ↓ to go to Siren On/Off+ press ← to delete existing digits xx, enlist new digits xx (for emergency zone's siren)+ENT + press ← to delete existing digits xx, enlist new digits xx (for Perimeter zone's siren)+ENT+ press ← to delete existing digits xx, enlist new digits xx (for Motion zone's siren)+ ENT】**

* Digit from 00 to 60 minutes, the default is 03 <min>.

* This setting is to set the alarming time of siren for each sensor in different zones. If you set 1 min for the sensors in Emergency Zone, the siren will alarm for 1 min once the sensor in the Emergency Zone is triggered;...

7 How to set **【Arm/Disarm Beep】** :

In standby screen, operate as **【SET+programming code+ENT+press ↓ to go to Arm/Disarm Beep+press←to choose YES or NO + ENT.**

*The default setting is "YES";

*You choose YES, the system will give Di notification when it is armed/disarmed; if you choose NO, system will give no Di notification when it is armed/disarmed;

8.How to set **【User ID】** :

In standby screen, operate as **【SET+programming code+ENT+press ↓ to go to User ID + press←to cancel existing digits xxxx, enlist new User ID 4 digits + ENT;**

*Digits from 0000 to 9999, default ID setting is randomly

9.How to set **【Upload status】** :

In standby screen, operate as **【SET+programming code+ENT+press ↓ to go to Upload status + press←to choose YES or NO + ENT;**

*This is to control whether the system will upload Arm/Disarm/Alarm information to the Central Monitoring Station. If you choose YES, system will upload; if you choose NO, system won't upload. *The default setting is "NO"

10.How to set **【Cut Wire Alarm】** :

In standby screen, operate as **【SET+programming code+ENT+press ↓ to go to Cut Wire Alarm+ press←to choose YES or NO + ENT;**

*This function is for PSTN network host and dual-network host to detect the landline cable'sconnecting status;

*The option is to control the system will alarm notify or not when the landline cable is connected or disconnected. If you choose YES, system will alarm when the landline cable is

disconnected; if you choose NO, system won't alarm when the landline cable is disconnected

*The default setting is "YES"

11. How to set **【Zone Attribute】** :

In standby screen, operate as **【SET+programming code+ENT+press ↓ to go to Zone Attribute + ENT + press ← to delete existing 2 digits xx, enlist new 2 digits xx + ENT + press ← to choose 0/1/2 + ENT + press ← to delete existing 2 digits xx, enlist new 2 digits xx + ENT + press ← choose YES or NO to set Bypass Zone + ENT + press ← choose YES or NO to set Enter Delay Set + ENT, now the change for this zone is finished ;**

*This is to change the zone and sensor properties, including changes to Zone Number, Zone Type, Sensor Type, Bypass Zone and Entry Delay Setting;

★ **【Zone number】** :

1. System has 39 zones, 31 wireless zones and optional 8 wired zones;
2. Among the 31 wireless zones, there are 2 dedicated zones for wireless remote controllers/operation keypads; 29 wireless functional zones;
3. Each wireless zone supports max 4 wireless sensors, each wired zone support one wired sensor;
4. "Zone Type", "Alarm Type", "Bypass Zone" and "Entry Delay" can be preset for each zone individually;
5. Table 3: "How to match Zone No. with Sensor Type and according Zone Type"

Zone Number	Sensor Type	Zone Type	Applicable sensor names	Notes
00, 01	Wireless sensors	Delicate zone	Wireless remote & Wireless Keypad	Each zone support up to 4 sensors
02 ~ 10		Emergency zone	Wireless Smoke Alarm, Wireless Gas Alarm & Panic button etc.	
11 ~ 20		Perimeter zone	Wireless Door/Window Sensor & Wireless Curtain PIR etc.	
21 ~ 30		Motion zone	Wireless Wide-Angle PIR Motion Sensor etc.	
31 ~ 38	Wired sensor	---	31,32,33 are Perimeter zone 34,35 are Motion zone 36, 37, 38 are Emergency zone	See Table 4: Wireless/wired sensor code

★ **【Zone Type】** :

1. You will see "2", "1" and "0" in Zone Type setting.
2. "2" means motion zone, "1" means perimeter zone, "0" means emergency zone;
3. Press ↑ to choose the zone type, into which you desire to put the zone number, then press ENT to confirm your settings;

★ **【Alarm Type】** :

1. Alarm Type means sensor type, it is to define which code stands for what the sensor is;
2. Sensor code is 2 digits, which stands for corresponding sensor type, please check the below table 4 for Sensor Name VS Original Codes of them;

NOTE:

*Above "Alarm Type" means sensor type, there are 2 digits, and customer had better not make changes in system.

Alarm Type	Panic Button	Panic Button	Gas	Smoke	Door	Window	Glass	Motion	
Code	00	01	02	03	04	05	06	07	
Alarm Type	IR	Curtain Motion	Direction curtain Motion	Wide angle Motion	Sensor	Sensor	Sensor	Sensor	(doorbell)
Code	08	09	10	11	12	13	14	15	20

Table 5: Default set of Zone Number VS Sensor Name before shipment

Wireless sensors	Wireless remote	Wireless door sensor	Wireless wide-angle PIR sensor	Wireless gas sensor	Wireless smoke sensor
Zone Number	00	11	21	02	03

★ **【Bypass Zone】**

1. This is to enable or disable this zone, you have choice here "Yes" or "No".
2. "Yes" means you will activate the Bypass Zone function, disable sensors in this zone; "No" means you would shut down the Bypass Zone function, enable the sensor function in this zone.
3. Press ↑ to choose "Yes" or "No", then press ENT to confirm your setting.

★ **【Entry Delay Set】**

- * This is to set the delayed time of alarming;
- * You have "Yes" or "No" to choose;
- * The setting here is same to the previous setting in the main menu **【Entry delay】**. Press ↑ to choose "Yes" or "No" to enable entry delay or disable entry delay accordingly;

* If you choose YES to enable the Entry Delay function here, previous time setting in main menu **【Entry delay】** will be valid; If you choose NO to disable the Entry Delay function, previous time setting in main menu **【Entry delay】** will be invalid;

12. How to set **【Set Smart Zone】**

In standby screen, operate as **【SET + programming code + ENT + press ↓** to go to Set Smart Zone + ENT + press ← to delete existing 2 digits xx, enlist new 2 digits xx + ENT + press ← choose YES or NO to choose to enable the Smart Sensor function in this zone or not + ENT + press ← to choose the Door/Window Status should be open or close in Arm Away Status + ENT + press ← to choose the Zone Indicator will notify or not + ENT to go to setting menu of next zone No.;

* This is to choose whether you would like to enable the smart function of sensors in assigned zone;

* The smart zone will be enabled only when smart sensors are learned into this zone, and the smart functions of smart sensors are enabled;

★ **【Zone Number】** :

1. Here you will enlist the zone No., 2 digits from 02~38, which you decide to set as a smart zone;
2. You need delete the existing 2 digits firstly, and then enlist the new zone No.,
3. For details of "How to match Zone No with Sensor Type and according Zone Type", please check the Table 3;

★ **【Smart Sensor ON】** :

1. Here you will choose YES or NO by pressing ↑ to decide whether you will enable the smart function in previous enlisted Zone No.;
2. Default setting is NO;
3. If you choose YES, the smart functions of smart sensors will be valid in this zone; if you choose NO, the rest smart function setting will be invalid, like sensor's low voltage alarm function, upload low voltage to CMS...

★ **【Zone Indicator】** :

1. This is to set whether there will be notification melody if this zone is triggered;
2. You choose "YES", means the notification will be enabled; NO means the notification will be disabled;
3. Default setting is NO;

13. How to set **【Program Sensor】** :

In standby screen, operate as **【SET+programming code+ENT+press ↓** to go to Program Sensor + ENT + press ← to delete existing 2 digits xx, enlist new 2 digits xx as zone No + ENT + press ← to delete existing digit x, enlist one new digit x as new group No. + ENT + press ↑ to choose Activate Sensor or Delete Sensor + ENT + press ← / ENT to get back to the menu "Program Sensor" to start another sensor learning progress;

*The settings in this menu here is to enhance the system function to realize intrusion alarm by PIR sensor or door sensor, smoke detection by smoke detector, gas detection by gas sensor, sending alarm sound by indoor/outdoor siren by adding or deleting sensors into/from the system;

*The progress of adding a sensor into the system is called "Learning", deleting a sensor from the system is called "Deleting";

*Our system is compatible with wireless detectors or wired detectors, wireless frequency is optional 433.98MHz or 868.35MHz.

*Mentioned Zones include zones for wireless sensors, and zones for wired sensor. Zone number above is optional from 00~38, totally 39 zones; Each wireless zone can hold 4 wireless sensors, each wired zone can only hold 1 wired sensor; Refer to Table 3 for zone detail;

*Mentioned Group number is optional from 0 to 3, totally 4 groups; each sensor occupies one group;

*When you start every learning progress for a zone, you need clear the existing zone No. firstly by pressing ←, then start the learning progress;

★ Please check this sample progress if I want to learn a door sensor into the zone 11, group

0 of alarm system:

*Bring a door sensor next to the alarm host;

*In the standby screen, operate as **【SET+programming code+ENT+press ↓** to go to Program Sensor + ENT + press ← to delete existing 2 digits xx, enlist new 2 digits 11 as zone No. + ENT + press ← to delete existing digit x, enlist one new digit 0 as new group No. + ENT + press ↑ to choose Activate Sensor + ENT + separate the 2 parts of the door sensor immediately, repeat this progress 2 or 3 times.

*If you find a "Success" on the screen, that means the door sensor is learned into the system successfully; If it shows "Failed", means this learning progress failed;

Note: If a word "update?" appears when you are learning a sensor into the alarm host, it means in this zone there is a existed sensor; If now you choose YES by ↑, the existed sensor will be replaced; if you choose NO ↑, the learning progress will be stopped;

★ Please check this sample progress if I want to delete a PIR sensor in zone 21, group 0 from the alarm system:

*Bring a PIR sensor next to the alarm host, turn on the battery;

*In the standby screen, operate as **【SET+programming code+ENT+press ↓** to go to Program Sensor + ENT + press ← to delete existing 2 digits xx, enlist new 2 digits 21 as zone No. + ENT + press ← to delete existing digit x, enlist one new digit 0 as new group No. + ENT + press ↑ to choose Delete Sensor + ENT + trigger the PIR sensor 2-3 times immediately.

*If you find a "Deleting Success" on the screen, that means the PIR sensor was deleted from the system successfully; Usually, no fail operation will be shown here;

14. How to set **【Wireless Code】**

In standby screen, operate as **【SET+programming code+ENT+press ↓** to go to Wireless Code + ENT + press ← to delete existing 5 digits xxxxx, enlist new 5 digits xxxxx as new code + ENT to confirm this progress;

* Digits from 00000 to 99999 for wireless address code setting;

* Default code is random;

15. How to set 【Alarm History】

In standby screen, operate as 【SET+programming code+ENT+press ↓ to go to Alarm History+ ENT to check the alarm history by pressing ↓ ;

16. How to set 【Status History】

In standby screen, operate as 【SET+programming code+ENT+press ↓ to go to Status History + ENT to check the alarm history by pressing ↓ ;

Note: Press Disarm Button on the front panel to exit from the programming status after finishing each setting.

● HOW TO REVISE USER CODE

This setting is to change the "User Code" of the host. (Default code is "888888")

* 【ENT+999999+ENT+new user code+ENT+new user code+ENT】 , now the host will get back to the standby screen after successful change.

● IMPORTANT SYSTEM OPERATION

1. Record

Keep pressing "record button" on the back of the alarm host, speak to the speaker, then release, the voice will be recorded.

2. Play

Keep pressing the "play button" on the back of the alarm host, you will hear the previously recorded voice.

3. Arm system

*By wireless remote controller: press the arm button on the wireless remote controller, the host will beep Di to confirm your successful arm operation

*By host keypad: 【0+user code+ENT+ " ↑ ↓ " + ENT】 , press " ↑ " to choose "armed home" or "armed away", then press ENT to confirm your choice;

NOTE:

① Arm away is usually used when nobody will stay in the monitored space; System will alarm if any sensor triggered;

② Arm home is usually used when somebody still stay in the monitored space; System will alarm if only sensor is triggered in Perimeter Zone;

* By SMS: Edit SMS text "user code + 1" (if the user code is 666666, then you edit 6666661) in your mobile phone and send it to the phone number, which was enlisted in the host SIM card. The host will arm automatically if the SMS is received, and send a reply "Arm successfully" at the same time; The SMS way can only be used for arm away mode of system. <This SMS arm way is ready for GSM network alarm host and dual-network alarm host>

* By phone call: make a call to the phone number, which was enlisted in host SIM card; about 30s later type in the user code and number 1 after hearing a Di; system will arm after you type in the 1, this means system is armed successfully; The phone call way can only be used for arm away mode of system. <Phone call arm way is ready for all network alarm hosts>

4. Disarm system

*By wireless remote controller: press the disarm button on the wireless remote controller, the host will beep DiDi to confirm your successful disarm operation

*By host keypad: 【Pressing disarm button+user code+ENT】 , the host will beep DiDi to confirm your successful disarm operation;

*By SMS: Edit SMS text "user code+0" (if the user code is 666666, then you edit 6666660) in your mobile phone and send it to the phone number, which was enlisted in the host SIM card. The host will disarm automatically if the SMS is received, and send a reply "Disarm successfully" at the same time; <This SMS arm way is ready for GSM network alarm host and dual-network alarm host>

*By phone call: make a call to the phone number, which was enlisted in host SIM card; about 30s later type in the user code and number 0 after hearing a Di; system will disarm after you type in the 0, this means system is disarmed successfully; <This phone call arm way is ready for all network alarm hosts>

5. Emergency help

* By wireless remote controller: press Emergency button on the wireless remote controller, the host will alarm right now, and send you the alarm info by SMS or phone call;

* By host keypad: press " ", the host will alarm immediately, and send you the alarm info by SMS or phone call;

6. What can you do when you get an alarm phone call?

After receiving the alarm call, you will hear the recorded voice message immediately, it will be played for 30 seconds repeatedly, you can make the following operations:

* Input number "8" to enter into the 20s monitoring status automatically, you will hear if anybody talks in the monitored space;

* Input "#" to repeat the recorded audio; (this function is good at CMS appliance, because the staff in CMS can get your recorded message repeatly, like "Hi, CMS, this is Tina in Building A, Floor 21th, Room 2112, please help me". If the first time the CMS man does not get your position clearly, the second or third time he can get your location info clearly)

* Input "*" to cancel alarm phone call finally from the host, the host won't send alarm info any more on this urgent situation.

* Hang off the alarm telephone, the host number will dial next group auto dialer#.

7. What you will get if you set your alarm host sends the alarm info by SMS?

The cell phone number will get a SMS like "alarm system xx zone xxxx alarming". xx stands for the zone number, xxxx stands for the sensor name;

8. Remote listening

Make a call to the alarm host, input user code when you hear a Di, now type in number "8" to enter into the 20s Listening Status. Put in again the "8", the host will get into another 20s Listening Status before the first 20s Listening Status reaches final

9. Browse alarm records

In standby screen, operate as 【SET+programming code+ENT+press ↑ to go to Alarm History + ENT to browse the alarm records】

*Max 100 records will be recorded here;

*If the 101th record comes, the first one will be covered;

10. Browse Status History

In standby screen, operate as 【SET+programming code+ENT+press ↑ to go to Status History + ENT to browse the working records】

*Max 100 records will be recorded here;

*If the 101th record comes, the first one will be covered;

11. Door/Window status monitoring

* This is a smart sensor function, this function will be valid when smart sensor is installed in the smart zone and the smart zone is in ON status;

* This function is to make sure that all the door/window sensors are in close status < default status of the door/window sensor > when you do the arm operation to the system. If any door/window sensor is open, the host will beep DiDiDiDi when you make the arm operation and show the following draft

"XX": zone number

"YYYY": sensor name ;

Not Ready
Arm Anyway Y N

XXYYYY
Arm Anyway Y N

Note:

1. This is a smart sensor function;

2. If you want to arm system by SMS or phone call, the operation is same to original.

3. If you want to arm system by remote controller or wireless keypad in sensor open status, two times arm operation will ignore the sensor open status.

12. Wireless "dingdong" doorbell function

* The alarm host will sound "dingdong" two times after you press doorbell button;

* This is an optional function, to be realized by wireless doorbell button;

F. ATTENTION IN OPERATION

* About Alarm call:

★ In Auto Dialer#'s setting, choose "SMS Reporting" to send alarm info will be only valid for the GSM network alarm host and dual-network alarm host; Choose "Call by phone" will be valid for all network alarm hosts;

① If the alarm info transferring way is by phone call - when the alarm system is triggered, the host will make the calls to the enlisted phone numbers from the first group to the fifth group number, if the enlisted phone number is empty, this number will be ignored;

② Every enlisted number will get the alarm call 3 times repeatedly to deal this alarm status, if you do not shut down the alarm call rightly by pressing #, the alarm host will keep calling repeatedly 3 times until you deal any one call of the three calls rightly;

* About Arm Delay notification:

① The host will beep Di every second in Arm Delay is triggered;

* About Alarm Delay notification

① The host will beep Di every second in Alarm Delay is triggered;

* Alarm info sending in first priority:

① If the alarm call comes when you are answering a call, your call will be cut. The alarm system will give you the alarm call in first priority to let you deal this alarm status;

② If the alarm host is making a dingdong doorbell notification while the triggering info is received by the alarm host, the host will give the alarm sound instead of the dingdong doorbell sound, and make the alarm call to the property owner;

* Low voltage alarm of wireless sensors

NOTE: It is programmable to set the notification function of the wireless sensors in low voltage status;

① Input "811+ENT", the alarm host will give beep DiDiDi every 8 seconds to notify that you have wireless sensor is in low voltage status, the host will storage the working records of the low voltage(including: sensor name, zone No., triggering time and date)

② Input "812+ENT", the alarm host will give no beep notification, and host will not storage the working records of low voltage;

* Low voltage upload function of wireless sensors

★ It is programmable to set whether the low voltage status of wireless sensor will be uploaded to the CMS or not;

① Input "821+ENT", the alarm host will upload the low voltage status information to the CMS, and storage the working records of the low voltage(including: sensor name, zone No., triggering time and date)

② Input "822+ENT", the alarm host will not upload, and host will not storage the working records of low voltage;

* Power-off notification function

★ It is programmable to set whether the power off status will be notified or not;

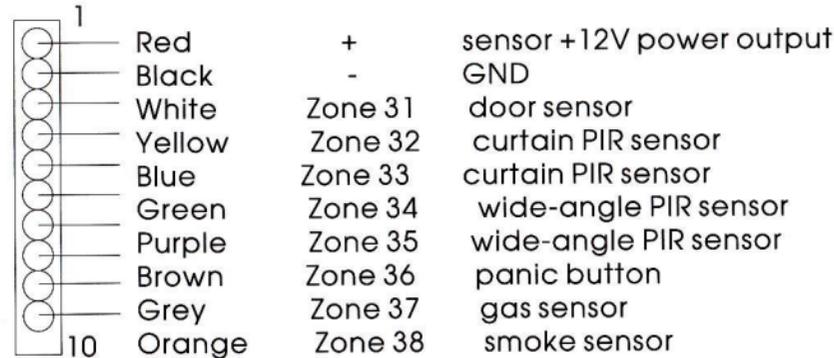
① Input "831+ENT", the LED indicator of alarm host will flash one time every 8 seconds;

② Input "832+ENT", the alarm host will give no notification;

③ Default: No notification, systems will storage the power off record after power off in 30s

HOW TO CONNECT WIRED SENSORS

(2.2K balance resistor is necessary, please refer this info if you buy wired sensors)



IV. ABOUT BASIC WIRELESS ACCESSORIES

Remote Controller

1. Features:

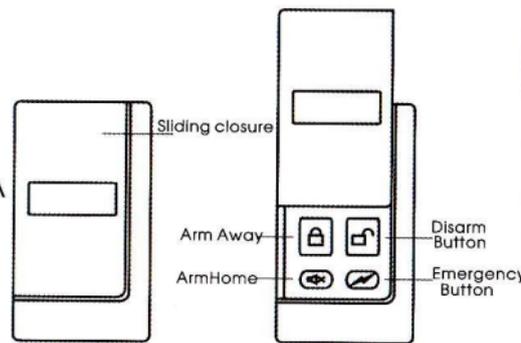
- To control the alarm host to arm and disarm.
- With the emergency key for urgent help.

2. Specifications:

- Power supply: disposable alkaline battery 12V27A
- Emitting distance $\geq 100\text{m}$ (in open area)
- Service life of battery ≤ 1 year
- Static current: N/A working current: 15mA
- Wireless frequency: 433MHz or 868MHz

3. Installation and Usage:

- For users to take along.
- Generally, press the "Away" key to arm the alarm system before leaving detected space; press "Disarm" key to disarm the alarm system when system is alarming; press "Home" to disarm the alarm system partly to set all sensors in motion zone free when you stay in detected space; when you press Home button, it means you will stay in detected space, and now only the sensors in Perimeter Zone (door sensor \ curtain PIR sensor) and sensors in Emergency Zone (Like Gas sensor \ Smoke sensor \ Glass sensor \ Emergency button) are enabled.
- Please change the batteries after one year, when you feel the control distance is getting shorter and shorter.



Wireless Intelligent Door Sensor

1. Features:

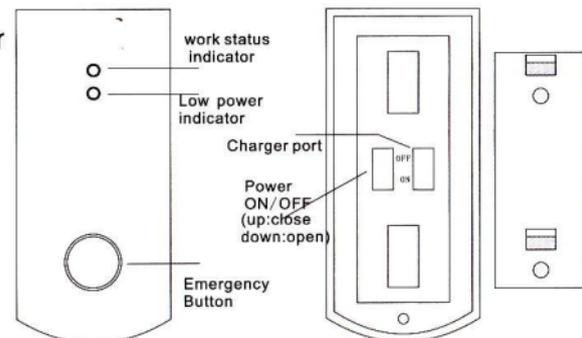
- Generally used in Perimeter zone to monitor the door/window status;
- This is a smart door/window sensor; it will monitor the door/window status when you are arming the system. The system will send notification on its screen if any door/window sensor is in status "open", now you can arm the system by force.

2. Specifications:

- Power supply: rechargeable lithium battery 3.7v200mAH
- Wireless frequency: 433MHz or 868MHz
- Emitting distance: $\geq 100\text{m}$ (in open area)
- Service life of lithium battery: ≤ 3 year
- Alarm distance: $< 4\text{cm}$
- Static current: 15 μA working current: 15mA

3. Installation and Usage

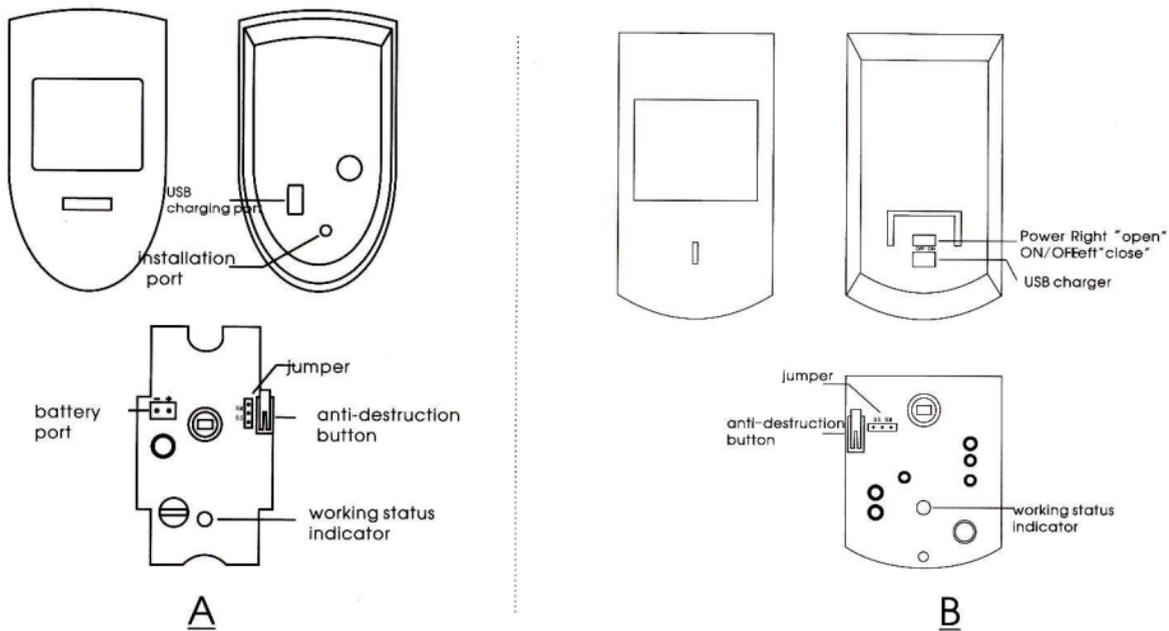
- The suggested installation position is on the top of the door frame;
- Fix the small magnetic part onto the moving part of the door;
- Then fix the emitting part onto door frame, distance to ground should be higher than 1.6m to prevent from children touch;
- The space between the two parts shall be less than 10mm;
- If the LED indicator flashes frequently in red, please recharge the built-in lithium battery;



4. Note about Wireless Intelligent Door Sensor

- Each time only one piece wireless door sensor can be learned, one alarm host can hold only four pieces wireless door sensors;
- Each group can hold only one piece wireless doorsensor, the first learned wireless door sensor will be covered/deleted if you learn the next PIR sensor into the same group.

Wireless Wide-Angle PIR Sensor



1. Features:

- Mainly detect indoor space, generally set in Motion zone.
- When body enters into the detected area, the PIR sensor will send a signal to the alarm host, then the host will give alarm sound;
- Power supply type is optional, with disposable battery type, or with rechargeable lithium battery type;

2. Specifications:

- Power supply: disposable battery/rechargeable lithium battery
- Emitting distance: $\geq 100\text{m}$ (in open area)
- Service life of disposable battery ≤ 1 year, of lithium battery ≤ 3 years
- Detecting distance: $110^\circ, 10\text{m} \times 10\text{m}$
- Wireless frequency: 433MHz or 868MHz
- Static current: $50\mu\text{a}$ working current: 15mA

3. Installation and Usage

- Fix the bracket onto the wall surface or wall corner at a height of $2\text{m} \sim 2.4\text{m}$ above the ground;
- Open the sensor back cover to check the battery connection, adjust jumper line (short circuit "5S": The sensor will detect once every 5 seconds; short circuit "5MIN": The sensor will detect once every 5 minutes);
- Suggestion: short circuit "5S" for testing and "5MIN" for normal use;
- Fix the sensor onto the bracket;
- Adjust the sensor to a proper angle and then slide the power switch on the side to "ON", and it will enter into the normal working state after 30 seconds;
- Upon the working light flashes frequently in green, please replace/recharge the batteries.

- Upon the working light flashes frequently in green, please replace the batteries.

4. Note about Wireless Wide Angle PIR sensor

- Each time you can add one wireless wide angle PIR sensor, totally one alarm host can hold max four wide angle PIR sensor;
- Each group can hold only one piece wireless wide angle PIR sensor, the first learned PIR sensor will be covered/deleted if you learn the next PIR sensor into the same group.

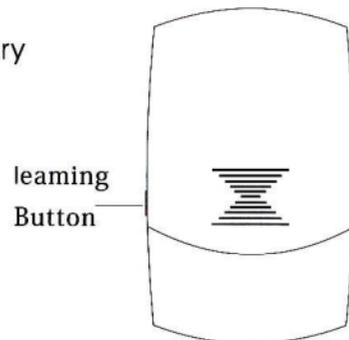
Wireless Indoor Siren

1. Features:

- Works with alarm host, wirelessly receives alarm signals from host and spot alarm with sound and flash;
- Usually for indoor use.
- Power supply type is optional, with disposable battery type, or with rechargeable lithium battery type;

2. Specifications:

- Power supply: 100VAC~240VAC + rechargeable lithium battery/100VAC~240VAC
- Receiving distance: ≥ 100 M (In open area)
- Service life of lithium battery ≤ 3 years
- Static current: 15mA working current: 200mA
- Wireless frequency: 433MHz or 868MHz



3. Installation and Usage

- Plug the wireless indoor siren into suitable power socket;
- Suggested installation height is about 1.8M from the ground;

4. Note about Wireless Indoor Siren

- Only one wireless indoor siren can be learned into the system at each time;
- If you want to confirm whether this siren is learned into a wireless alarm host, just press the Emergency Button on the panel; if now the siren alarms, it means they are paired; if not, it means your learning operation was failed;
- One siren can be learned into max 10 wireless alarm hosts, and one wireless alarm host can hold many wireless indoor sirens;

Table 6: How to add or delete wireless sensors

NOTE: All operations should be started in standby screen

Type	Zone No.	Max. sensor qty in a zone	How to add sensor	How to delete sensor	
Original wireless sensors in package	wireless remote controller	00.01	8	<ol style="list-style-type: none"> 1. 【SET+Program Code + ENT+ “↓” to go to menu Program Sensor + ENT + “←” to cancel existing zone No. +new zone No. +ENT+ “←” to delete existing group No. +new group No. X + ENT + “↓” to go to menu Activate sensor + ENT】 , now the screen will display Learning; 2. Press any button on the remote controller twice quickly to trigger the wireless remote controller; 3. if the screen displays Success, it means the learning operation is successful; if it displays Failed, it means your learning operation is not successful, you need repeat the learning progress; 	<ol style="list-style-type: none"> 1. 【SET+Program Code+ENT+ “↓” to go to menu Program Sensor+ENT+ “←” to cancel existing zone No. +put in the zone No. of the sensor, which should be deleted+ENT+ “←” to cancel existing group No. + put in the group No. of the sensor, which should be deleted+ENT+ “↓” to choose Delete sensor + ENT】 2. Usually the deletion will be successful;
	wireless door/window sensor	11~20	4	<ol style="list-style-type: none"> 1. Same to the learning operation of wireless remote controller, item 1; 2. Trigger the door sensor twice quickly by separating the two parts; 3. if the screen displays Success, it means the learning operation is successful; if it displays Failed, it means your learning operation is not successful, you need repeat the learning progress; 	<ol style="list-style-type: none"> 1. 【SET+Program Code+ENT+ “↓” to go to menu Program Sensor+ENT+ “←” to cancel existing zone No. +put in the zone No. of the sensor, which should be deleted+ENT+ “←” to cancel existing group No. + put in the group No. of the sensor, which should be deleted+ENT+ “↓” to choose Delete sensor + ENT】 2. Usually the deletion will be successful;

Type	Zone No.	Max. sensor qty in a zone	How to add sensor	How to delete sensor	
Original wireless sensors in package	wireless wide angle PIR sensor	21~30	4	<ol style="list-style-type: none"> 1. Same to the learning operation of wireless remote controller, item 1; 2. Trigger the wireless PIR sensor by using your hand wave before it 4 times; 3. if the screen displays Success, it means the learning operation is successful; if it displays Failed, it means your learning operation is not successful, you need repeat the learning progress; 	<ol style="list-style-type: none"> 1. 【SET+Program Code + ENT + “↓” to go to menu Program Sensor + ENT + “←” to cancel existing zone No. + put in the zone No. of the sensor, which should be deleted+ENT+ “←” to cancel existing group No. +put in the group No. of the sensor, which should be deleted+ ENT + “↓” to choose Delete sensor + ENT】 2. Usually the deletion will be successful;
	wireless indoor siren	N/A	—	<ol style="list-style-type: none"> 1. Connect the indoor siren to the power source, then the LED light will flash 4 times; 2. Press the learning button on the side of the siren, now the LED will hold the light, it means I am waiting; 3. Press “←” key on the alarm host panel more times to send the signal. 4. If LED light of the siren flashes 5 times and then goes off, it means your learning operation is not successful, you need repeat the learning progress; 	<ol style="list-style-type: none"> 1. Connect the indoor siren to the power source, one press the learning button of the side of siren; 2. Then keep pressing the “Learning button” for 5 seconds and release; 3. If LED light on the siren flashes 1 time and then goes off, it means the deletion is successful;

Type	Zone No.	Max. sensor qty in a zone	How to add sensor	How to delete sensor	
Optional wireless sensors	gas detector	02~10	4	<ol style="list-style-type: none"> 1. Same to the learning operation of wireless remote controller, item 1; 2. Trigger gas detector by releasing gas, for example, from a lighter; 3. If the screen displays Success, it means the learning operation is successful; if it displays Failed, it means your learning operation is not successful, you need repeat the learning progress; 	<ol style="list-style-type: none"> 1. 【SET+Program Code+ENT+ “ ↓ ” to go to menu Program Sensor+ENT+ “ ← ” to cancel existing zone No. +put in the zone No. of the sensor, which should be deleted+ENT+ “ ← ” to cancel existing group No. +put in the group No. of the sensor, which should be deleted +ENT+ “ ↓ ” to choose Delete sensor + ENT 】 2. Usually the deletion will be successful;
	smoke detector	02~10	4	<ol style="list-style-type: none"> 1. Same to the learning operation of wireless remote controller, item 1; 2. Trigger smoke detector by releasing smoke; 3. If the screen displays Success, it means the learning operation is successful; if it displays Failed, it means your learning operation is not successful, you need repeat the learning progress; 	<ol style="list-style-type: none"> 1. 【SET+Program Code+ENT+ “ ↓ ” to go to menu Program Sensor+ENT+ “ ← ” to cancel existing zone No. +put in the zone No. of the sensor, which should be deleted+ENT+ “ ← ” to cancel existing group No. +put in the group No. of the sensor, which should be deleted+ENT+ “ ↓ ” to choose Delete sensor + ENT 】 2. Usually the deletion will be successful;

Type	Zone No.	Max. sensor qty in a zone	How to add sensor	How to delete sensor	
Optional wireless sensors	gas detector	02~10	4	<ol style="list-style-type: none"> 1. Connect the outdoor siren to the power source, then the LED light will flash 4 times; 2. Press the learning button on the side of the siren, now the LED will hold its light, it means I am waiting; 3. Press “ ← ” key on the alarm host panel more times to send the signal. 4. If LED light of the siren flashes 5 times and then goes off, it means your learning operation is not successful, you need repeat the learning progress; 	<ol style="list-style-type: none"> 1. 【SET+Program Code+ENT+ “ ↓ ” to go to menu Program Sensor+ENT+ “ ← ” to cancel existing zone No. +put in the zone No. of the sensor, which should be deleted+ENT+ “ ← ” to cancel existing group No. +put in the group No. of the sensor, which should be deleted +ENT+ “ ↓ ” to choose Delete sensor + ENT 】 2. Usually the deletion will be successful;

V. PROBLEMS AND SOLUTIONS

Symptom of problems	Possible cause	Solution
The alarm host can't fully record	Did not keep pressing the record button all the time while recording	Keep pressing the record button all the time while recording
Repeatedly receiving the alarm call	Fail to follow the operation instruction about alarm call	Follow the operation steps after answering the alarm call and hearing the recorded message
Can't receive alarm SMS or can't receive SMS reply after made arm or disarm operation by SMS	1. SIM card is not insert properly; 2. GSM signal is not good enough; 3. The SIM card is full with SMS;	1. Adjust SIM card installation properly 2. Adjust alarm host's installation position, or use optional extension antenna to reach better signal till the signal status is "OK"; 3. Delete the SMS in the SIM card manually if the SIM card is used for the first time; In future use, the SMS deletion will be automatically;
The host does not alarm after the detector is triggered in arm state	1. Caused by the functions of arm mode (Armed Away and Armed Home); 2. Have already setup time for Entry Delay or Exit Delay	1. "Armed Away" mode: alarm goes off when any sensor is triggered; 2. "Armed Home" mode: alarm goes off when any sensor in Perimeter zone is triggered and it won't alarm when any sensor in Motion zone is triggered 3. Program to adjust the time for Entry Delay or Exit Delay

Symptom of problems	Possible Cause	Solution
The PIR sensor doesn't work	Disposable battery type: 1. The disposable battery is disconnected; 2. The battery is exhausted; 3. You operated the PIR sensor when it was in the self-check progress; 4. The PIR sensor is not learned into the alarm system;	1. Open the back cover, check the installation position of battery, adjust its position; 2. Replace the exhausted battery with a new one; 3. Wait for 30s when the self-check progress is finished; 4. Relearn the PIR sensor into the alarm host; Meaning of jumper position: "5S": detect once every 5 seconds; "5MIN": detect once every 5 minutes;
	Rechargeable lithium battery type: 1. The lithium battery connection inside the PIR sensor is disconnected; 2. The battery was died, beyond the service life; 3. You operated the PIR sensor when it was in the self-check progress; 4. The PIR sensor is not earned into the alarm system; 5. The power supply switch stays at "OFF" position;	1. Open the back cover, check the battery connection and connect the power cable again; 2. Replace the died lithium battery with a new lithium battery; 3. Wait for 30s when the self-check progress is finished; 4. Relearn the PIR sensor into the alarm host; Meaning of jumper position: "5S": detect once every 5 seconds; "5MIN": detect once every 5 minutes; 5. Push the switch on the back of PIR sensor to the ON position;

Symptom of problems	Possible cause	Solution
The detecting distance of PIR sensor gets shorter	The ambient temperature in the detecting area is too high, it will affect the detection distance;	1. Test it in a normal temperature circumstance; 2. If the PIR sensor is in higher or unstable temperature condition, the detection distance gets shorter can't be avoided;
The host does not alarm after the newly added wireless sensor is triggered	The sensor was not learned into the alarm host successfully	Relearn the wireless sensor into the alarm host, follow the steps
The LED light of PIR sensor flashes frequently in green	Battery is to be exhausted	Replace the battery with a new one, please give attention to the battery type
The door sensor's indicator flashes frequently.	Battery is to be exhausted	Replace the battery with a new one, please give attention to the battery type
The distance of the remote controller gets shorter	Battery is to be exhausted	Replace the battery with a new one, please give attention to the battery type

VI. DAILY MAINTENANC

To make the alarm system work for a long time stably and to prolong his service life, it is recommended that

- Try to put the alarm host in the dry and well-ventilated places, suggested in a higher position to avoid the children touch.
- Do not put the host and wireless sensors in too cold, too hot or dusty places, to prevent from curtailing the service life of electric elements, and prevent the plastic shell from distorting and accelerating to be aged.
- Do not put the host in too exposed places to prevent from being found by intruders, we suggest you to buy a wireless operation keypad to remote control the alarm host.
- Wireless operation keypad is recommended to installed at the door, install the alarm host in a hidden place, like bedroom, avoid being found and destroyed;
- Regular testing is necessary for finding and resolving problems in advance.
- Regularly check the battery status of alarm host and all wireless sensors is necessary. Replace the batteries, which are to be run out, to ensure they are working normally.