

# Dual-network Wired&wireless LCD Alarm System User Manual



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## I、Features

1. Touch keypad; Big LCD displays (Capacitive touch screen times, New experience)
2. GSM+PSTN dual network. If PSTN is disable, it will switch to GSM automatically
3. Calendar+5 alarm call(SMS) No.+1 alarm center call No.+1 alarm SMS No.+ 10S record+ Arm Delay + Alarm Delay + Alarm Beep Setting+ Call-in time setting+ Wireless Program+ Zone Attribute Setting+ User password + Program Password + Reset +100 Alarm History and Status History
4. 30 wireless zones + 8 wired zones, every zone attribute, name, bypass, alarm delay, intelligent door sensor function, beep indication could do free setting.
5. Alarm Inform Mode: PSTN Call, GSM Call, GSM SMS
6. Alarm SMS include alarm zone and sensors name
7. Work with Contact ID protocol(alarm information, status information, AC power off and recover, Low voltage, test)
8. Support wireless "ding-dong" doorbell function

## II、Technical parameter

1. Working power: AC=100~230V, DC=12V 1A
2. Static current:<35mA (when not charging) Alarm current:<120mA
3. Built-in Li-Ion backup battery: 3.7V 800mAH(rechargeable), Standby: around 24 hours, Full charging time: 8hours
4. 2-Band GSM: GSM900/1800Mhz (4-Band is optional: 850/900/1800/1900Mhz)
5. GSM transmit power: 2W
6. Receiving and emitting range: >100m(non-block)
7. Working condition: Temperature: -10°C ~ 70°C Humidity:5%~80%

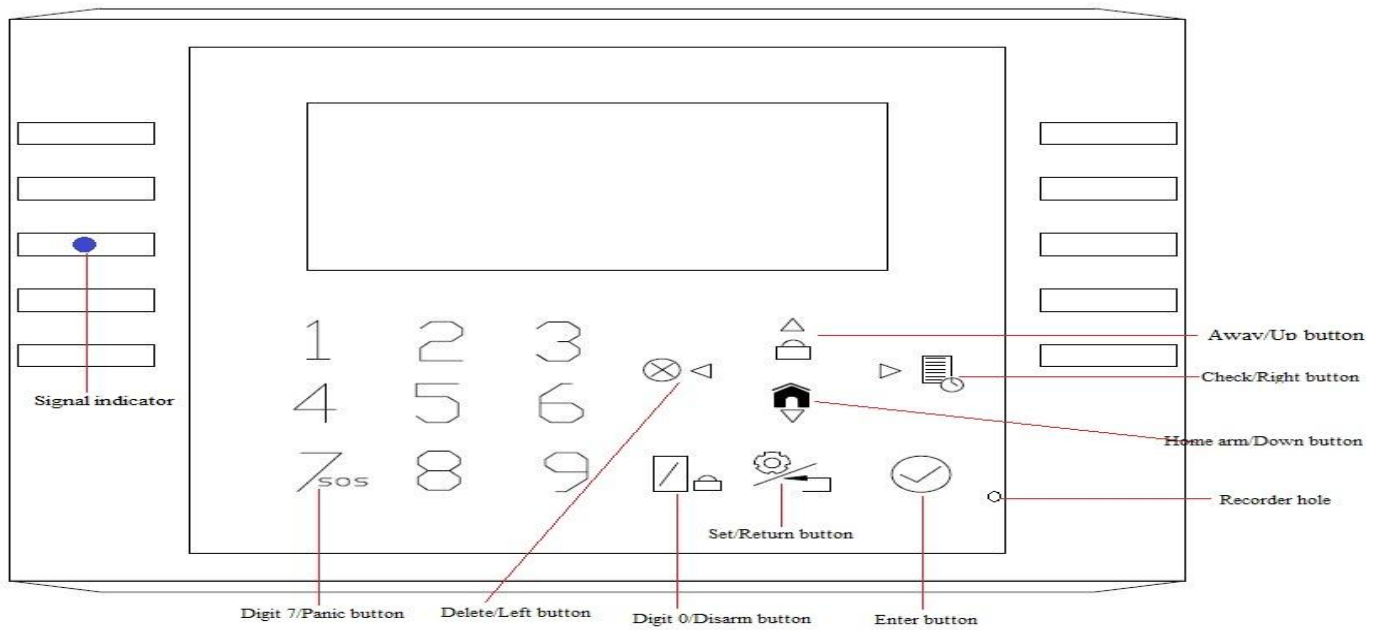
## III、Zone types and definitions

1. Zone types: Perimeter zone, Motion zone, Emergency zone
2. Definitions:
  - Perimeter zone:** Detecting the space like doors, windows, etc., generally use wireless door magnet sensors and wireless curtain PIR sensors
  - Motion zone:** Detecting the space like living room, aisles and bedrooms, etc., generally use wireless wide-angle PIR sensors.
  - Emergency zone:** Detecting the space like Emergency area (such as emergency distress, medical rescue, gas leakage and fire alarm, etc., this zone keep 24-hour monitoring status automatically. Generally use panic button, wireless gas sensors and wireless smoke sensors.

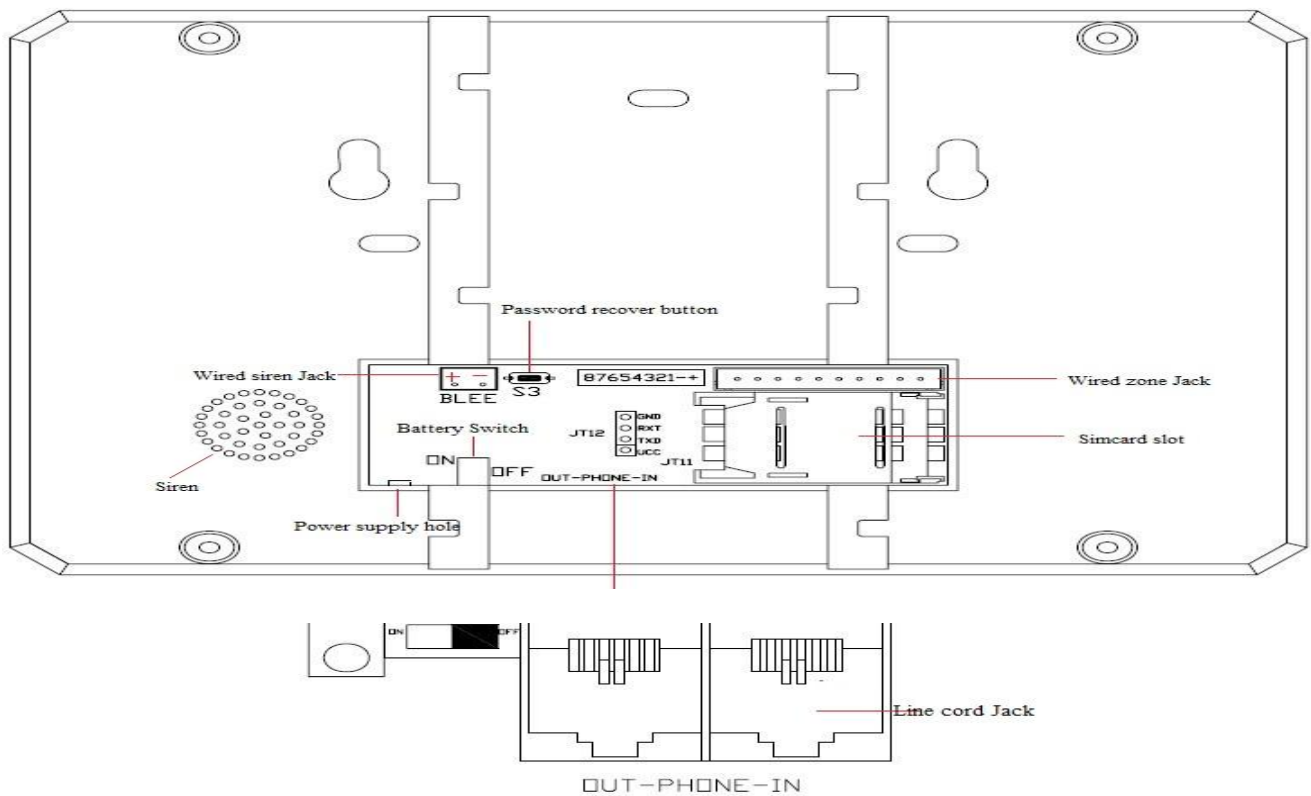
## IV、Modes of arming

1. "Away Arm" mode: Once any detectors in perimeter zones or motion zones get triggered, the host will alarm immediately and meantime dial "#" automatically.
2. "Home Arm" mode: Once any detectors in perimeter zones get triggered, the host will alarm immediately and meantime dial "#" automatically. It will not alarm if any detectors in the motion zone are triggered.

## V、Alarm Host Details



Alarm Host Fron




Alarm Host Backside

## VI. LED Indicators

- Left Blue LED: GSM Signal indicator
- Quick flash: No signal or the SIM Card don't fix properly
- Slow flash : get signal, under workin


## VII、Shortcut Keys

- Under standby, press “

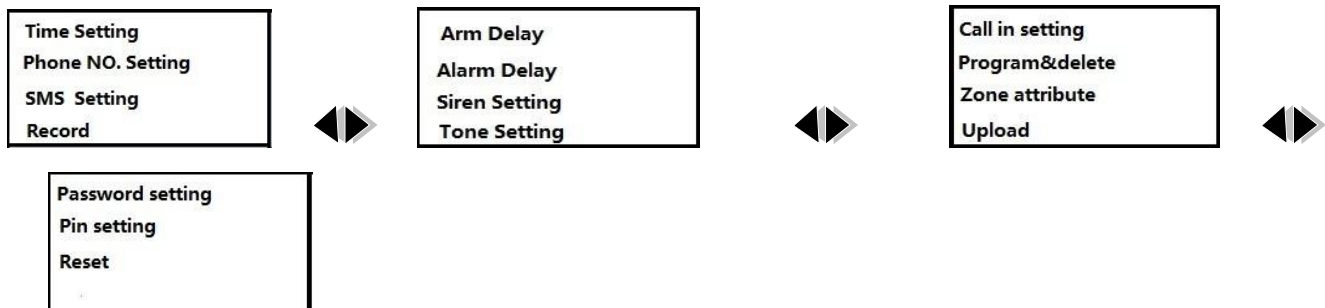
## VIII、Prompt tone

- Press any buttons--- one short tone
- Arm--- one short tone
- Away arm delay--- one short tone every second
- Alarm delay--- one short tone every second
- Disarm--- two short tone
- Phone line disable--- two short tone every 30 second (Phone line disable tone ON)。
- AC power off and recover---- one short tone
- Battery low voltage and recover ---- one short tone
- Call to metal box alarm host via GSM network--- one short tone every 3 second

## IX、Setting


- “

A short tone prompt when press the keys every time. Without any press in 30second,it will turn to standby menu.




### 9. 1 【Time setting】:



- a. Press “

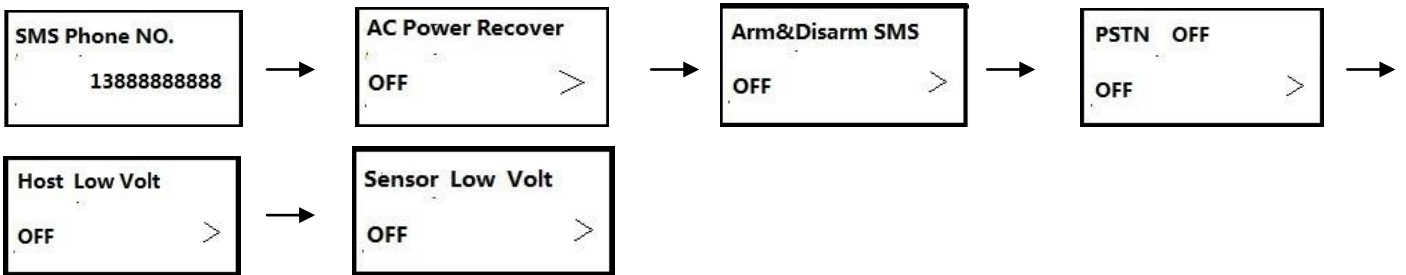
### 9. 2 【Alarm Phone No. Setting】:



- a. 

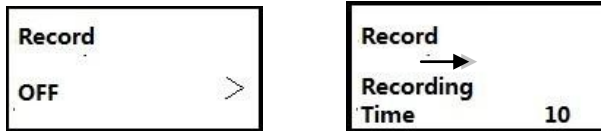
Total is 5 groups alarm phone numbers. Every group phone number input max. 15 bytes.

**9. 3 【SMS Setting】:**



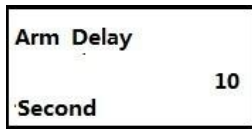
- ⊗ delete the original phone number, enter your new phone No. ✓ to save (only for SMS, no call)
  - ◀▶ to select "AC Power off or recover inform", and choose "Yes" or "No". ✓ to save
  - ◀▶ to select "Arm or Disarm inform", and choose "Yes" or "No". ✓ to save
  - ◀▶ to select "PSTN off inform", and choose "Yes" or "No". ✓ to save
  - ◀▶ to select "Alarm Host Back-up Battery Low Level Inform", and choose "Yes" or "No". ✓ to save
- Total is 1 group alarm phone number, max. 15 bytes. All default settings is No

**9. 4 【Record】:**



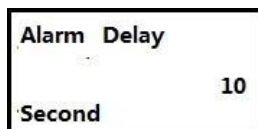
◀▶ to select on, and record under the microphone for 10S, ✓ to save

**9. 5 【Arm Delay】:**



⊗ "Delete" the original setting, and enter new time (0 to 59S), ✓ to save. Default is 10S

**9. 6 【Alarm Delay】:**



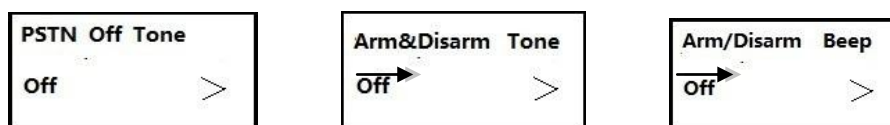
⊗ "Delete" the original setting, and enter new time (0 to 59S), ✓ to save. Default is 10S

**9. 7 【Siren Setting】:**



- ⊗ Delete the original setting, and enter new time (0 to 59min), ✓ to save. Default is 1 minute
- ◀▶ to choose alarm buzzer on or off ("Yes" or "No"). ✓ to save. Default is "Yes"

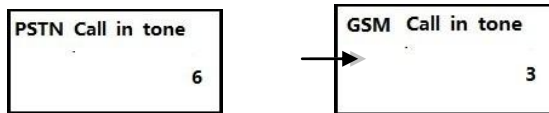
**9. 8 【Tone Setting】:**



- PSTN off tone: ▶▶ to choose "Yes" or "No". ✓ to save. Default is "No"

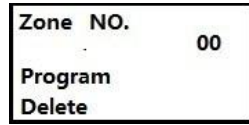
- b. Arm or disarm internal siren: ◀▶ to choose “Yes” or “No”. ✓ to save. Default is “No”
- c. Arm or disarm wireless siren : ◀▶ to choose “Yes” or “No”. ✓ to save. Default is “No”

Note that the wireless siren max. sound time is 59 minute



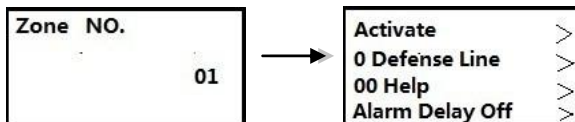
**9. 9** 【Call In Setting】:

- a. PSTN Phone No: “⊗” Delete” the original setting, and enter ring (1 to 9), ✓ to save. Default is 6 ring
- b. GSM Phone No: “⊗” Delete” the original setting, and enter right (1 to 9), ✓ to save. Default is 3 ring



**9. 10** 【 Program & delete 】:

- a. Program:” ⊗ Delete” the zone No, enter new zone No.” ▼” ----“Program”----“✓”----trigger sensors or remote controls twice----“Success” or “Failure”
  - b. Delete:” ⊗ Delete” the zone No, enter new zone No.” ▼” ----“Delete”----“✓”-----“Success”
- 00 zone for remote controls, max. program 10 remote controls or wireless keypads, 1 to 30 zones for wireless sensors. Every zone program 4 sensors max. If delete one zone sensors, all sensors will be delete in this zone.



**9. 11** 【Zone attribute】:

- a. ⊗ Delete the zone number, enter new zone number, Press ✓ to enter submenu
  - b. “◀▶”----“Activate” or “Deactivate” (Default, please check table 2)
  - c. “▼”--- “◀▶”--- “Zone Type”: Perimeter zone, Motion zone, Emergency zone (Default, please check table 2)
  - d. “▼”--- “◀▶”--- “Sensor Type” (Default, please check table 2)
  - e. “▼”--- “◀▶”--- “Alarm Delay on or off”(Default, please check table 2)
- Finally ✓ to save all settings

Zone Number	Zone Type	Sensor Type	Applicable sensor names
00	—	Wireless remote	Wireless remote & Wireless Keypad
01~ 10	Emergency zone	Wireless sensors	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	31,32,33 are Perimeter zone 34,35 are Motion zone 36,37,38 are Emergency zone	Wired sensor	(see table of wired sensors code)

**Default setting before shipment:**

Wireless sensors	Wireless remote	Wireless door sensor	Wireless wide-angle PIR sensor	Wireless gas sensor	Wireless smoke sensor
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Zone Number	00	12	21	01	02
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Sensor Code	Menu Name	CID Code	CID Name
00	Medical Alarm	E100	Medical Alarm
01	Emergency	E121	emergency alarm
02	Emergency (	E120	emergency alarm
03	Fire Alarm	E110	fire alarm
04	Smoke Alarm(	E111	smoke alarm
05	Kitchen	E130	burglar alarm
06	Gas Leak Alarm	E112	gas alarm
07	Tamper Alarm	E137	tamper alarm
08	Heat Alarm	E158	heat alarm
05	1 <sup>st</sup> group zone	E131	1 <sup>st</sup> group zone
06	Door	E134	2 <sup>nd</sup> group zone
07	Front Door	E134	2 <sup>nd</sup> group zone
08	Back Door	E134	2 <sup>nd</sup> group zone
09	Side Door	E134	2 <sup>nd</sup> group zone
10	Window	E131	1 <sup>st</sup> group zone
11	Glass Break	E131	1 <sup>st</sup> group zone
16	Shock Detection (	E130	burglar alarm
17	2 <sup>nd</sup> group zone	E132	internal zone
12	Garage	E130	burglar alarm
13	Motion	E132	internal zone
14	Family Room	E130	burglar alarm
15	Bedroom	E130	burglar alarm
22	Sanctum alarm	E130	internal zone
23	Others	E140	normal alarm
24	Doorbell		

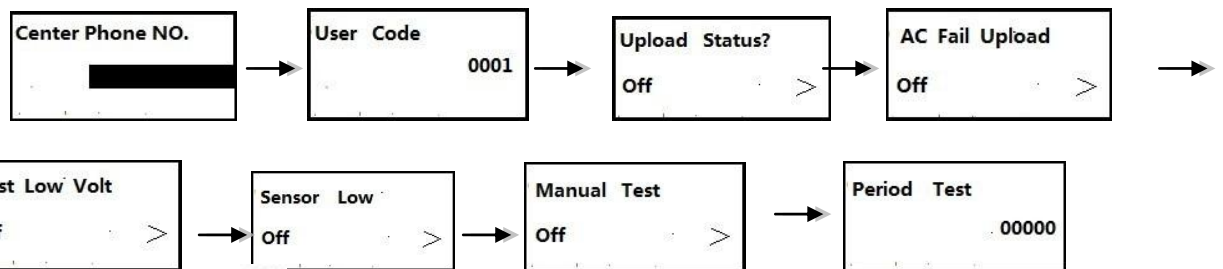
Table 1

Wireless zone	01	02	03	04	05	06	07	08	09	10	Type	Default	Alarm Delay
Code	00 medical	00 medical	01 emergency	02 emergency	03 fire	03 fire	04 kitchen	11 glass	11 glass	16 tamper	24 hour	On	Off
Wireless zone	11	12	13	14	15	16	17	18	19	20	Type	Default	Alarm Delay
Code	06 Door Sensor	06 Door	07 Front	08 Back Door	09 Side Door	10 Window	10 Window	11 Glass	12 Car House	05 1 <sup>st</sup> group zone	1 <sup>st</sup> group zone	on	off

		Sensor	Door										
Wireless zone	21	22	23	24	25	26	27	28	29	30	Type	Default	Alarm Delay
Code	13 PIR	13 PIR	12 PIR	14 Drawing Room	14 Drawing Room	15 Bedroom	15 Bedroom	15 Bedroom	12 Car House	17 Doorbell	2 <sup>nd</sup> group zone	on	Off
Wire zone	31	32	33	34	35	36	37	38	Type		Default	Alarm Delay	
Code	06 Door Sensor	051 <sup>st</sup> group zone	051 <sup>st</sup> group zone	13 PIR	13 PIR	00 Emergency	03 Fire	04 Kitchen	31/32/33(1 <sup>st</sup> group zone) 34/35 (2 <sup>nd</sup> group zone) 36/37/38 (24 hour)		off	Off	

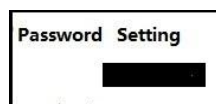
Table 2

9.12 Upload:



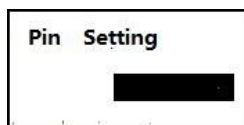
- CMS phone No setting:  to delete the original CMS phone No., and enter new phone No.(Max.15 digit),  to save.
- User code setting:  delete the original code(from 0001 to 9999), and enter new user code.,  to save. Default is 0001.
- Arm/disarm upload: “◀▶”--- “Yes” or “No”,  to save.
- AC power failure or recover upload: “◀▶”--- “Yes” or “No”,  to save.
- Alarm host battery low level or recover upload: “◀▶”--- “Yes” or “No”,  to save.
- Accessories’ battery low level or recover upload: “◀▶”--- “Yes” or “No”,  to save.
- Manual test upload: “◀▶”--- “Yes” or “No”,  to save and start test.
- Periodic test upload:  delete the original time (from 00010 to 99999), and enter new time,  to save.  
If enter 00000, mean will not upload  
( c, d, e, f, g default is “No”)

9.13 Password setting:



Delete the original password, and enter new password (4 digits),delete and enter again to confirm the new password.  to save. Default is 1111





### 9. 14 【Pin setting】:

Delete the original password, and enter new password(4 digits),delete and enter again to confirm the new password. ✓ to save. Default is 1234



### 9. 15 【Reset】:

Reset: “◀▶”--- “Yes” or “No”, ✓ to save. After reset all information will recover to default setting, include alarm phone No., SMS information setting, arm delay setting, zone attribute, delete all sensors, Central Monitoring Center Upload. User Password:1111 and program password:1234

Note that if finish the setting, press "ESC" to exit. If don't operate within 30S,it will exit automatically.

Program Password Reset: Press key button on backside of alarm host for 5second and you will hear 2S long tone, the program password return to 1234

## X、Others

●SMS information setting: for details, please check menu setting

- a. Delete the original phone number, enter your new phone No. ✓ to save. It's not alarm phone No.
- b. AC Power off or recover inform, if it's on, after 8 second AC power off, it will send SMS "XXXX Alarm System AC Power Fail" to user. If the AC power recover for over 30 second, it will send SMS "XXXX Alarm System AC Power On".
- c. Arm or Disarm inform, if it's on and user arm or home arm the system, it will send SMS "XXXX Alarm System Arm". If disarm, it will send SMS "XXXX Alarm System Disarm"
- d. PSTN off inform, if it's on, after 5 second PSTN fail, it will send SMS "XXXX Alarm System PSTN Fail"
- e. Alarm Host Back-up Battery Low Level Inform, if it's on, after 8 second, it will send SMS "XXXX Alarm System Back-up Battery Low" to user.
- f. Accessories Battery Low Level Inform, if it's on ,when accessories at low level battery, it will send SMS "XXXX Alarm System Accessories Back-up Battery Low" to user.

Note:XXXX mean user code. You could change user code in Central Monitoring Center Upload

●How to work with CID CMS? For details, "Setting"-----"Central Monitoring Center Upload"

- g. CMS phone No setting: Delete the original CMS phone No., and enter new phone No., ✓ to save.
- h. User code setting: Delete the original code(from 0001 to 9999), and enter new user code., ✓ to save.
- i. Alarm upload: if the alarm host alarm, it will upload the alarm information automatically
- j. Arm/disarm upload: “◀▶”--- “Yes” or “No”, ✓ to save.
- k. AC power failure or recover upload: “◀▶”--- “Yes” or “No”, ✓ to save.
- l. Alarm host battery low level or recover upload: “◀▶”--- “Yes” or “No”, ✓ to save.
- m. Accessories' battery low level or recover upload: “◀▶”--- “Yes” or “No”, ✓ to save.
- n. Manual test upload: “◀▶”--- “Yes” or “No”, ✓ to save and start test.
- o. Periodic test upload: Delete the original time(from 00010 to99999), and enter new time, ✓ to save.If enter 00000, mean will not upload  
(c,d,e,f,g default is “No”)

Upload to CID via PSTN network, if alarm, will upload to CID CMS firstly, and then personal alarm phone No.

●Details of alarm call, call answer and alarm SMS:

If start alarm:

- The alarm host will dial CID CMS to upload alarm information firstly via PSTN
- And then dial and send SMS to personal phone No's in queue. If the PSTN and GSM are available, PSTN own priority. This mean will call via PSTN and send SMS via GSM. The SMS content is "XX zone YYYY is alarming". XX mean zone No. YYYY mean sensors name, for details please check table one
- Answer the alarm call, you will hear the record. And press "4" to enter monitoring, press "5" to listen record again, press "\*" to end the call and finish dialing.

If the you answer the CMS phone no, the above operation is unavailable.

- If without press "4" and "5" to operate, it will call all phone numbers for three times and end.

● How to arm/disarm via SMS:

- Arm Away: send "User password+1" to alarm host GSM phone no. If success, you will receive a SMS(arm successfully) from alarm host.
- Disarm: send "User password+0" to alarm host GSM phone no. If success, you will receive a SMS(disarm successfully) from alarm host.

● How to program one-way keypad: Program the wireless keypad into 00 zone, you could use the keypad to away arm, home arm, disarm, emergency.

● How to program two-way keypad: Program the wireless keypad into 00 zone and program alarm host into wireless keypad, you could use the keypad to away arm, home arm, disarm, emergency. At the same time the keypad will show alarm host status.

● How to program doorbell: Program the doorbell into any zone(default is 30<sup>th</sup> zone) and the zone sensor code should be 24. Press doorbell two time to program. And alarm host will effect three "Dingdong" when you press doorbell.

● How to program wireless siren: make wireless siren into program status, press "SOS" key of alarm host panel for two time. The wireless siren will effect five flashes if success.

● How to arm/disarm: remote control, main keypad, call, SMS, wireless keypad

● How to operate remotely via call:

Call the alarm host, you will hear one tone:

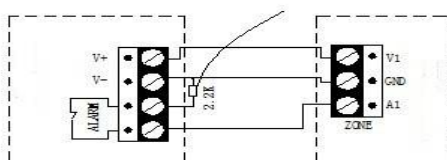
- Enter "user password+#",you will hear one tone again  
Press 1: Away Arm  
Press 2: Home Arm  
Press 3: Disarm  
Press 4: Monitoring for 15S  
Press 5: listen record for 15S  
Press \*: end call
- Without any operation, after 20S, it will end the call automatically

● Alarm priority: if the PSTN cable is under calling and the system start alarm, it will end the normal call, and start alarm calling.

● How to cancel the accessory battery low level notice: Press "📄" to check and cancel the notice.

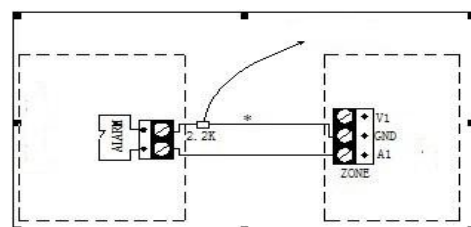
## 十一、Wired zones:

- How to connect N.C detectors:



Activate Sensors

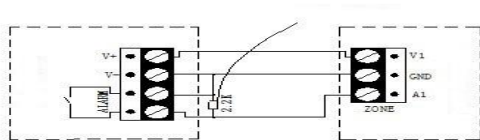
Alarm Host



Passive Sensors

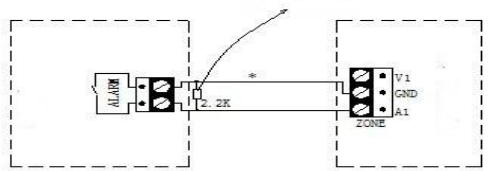
Alarm Host

- How to connect N.O detectors:



Activate Sensors

Alarm Host



Passive Sensors

Alarm Host

Note: V1 mean +12V power source, A1 mean 31 to 38 zone.

## Understanding of Basic Accessories (Wireless)

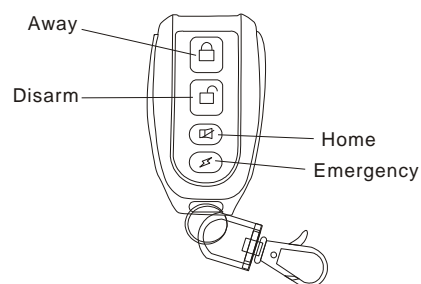
### Wireless Remote

#### Features:

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

#### Specifications:

- Operating power: 27A 12V alkaline battery
- Emitting distance:  $\geq 100\text{m}$  (in open area)
- Service life:  $\leq 1$  year



#### Program sensor / Delete sensor

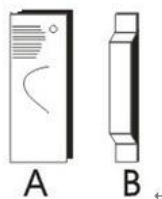
##### a. Program sensor

1. 【SET + Programming code + “▲▼” to choose “Program&delete” + ENT + press “Delete/Left button + input YY+ “▲▼” to choose Program + ENT】 (LCD screen would say “programming”);
1. 2. Trigger door sensor 2 times, alarm host panel would say “study successfully”, press “ENT”, and it means successfully in setting.
1. 3. “YY”: means zone number with 2 digits, can be from 00

##### b. Delete sensor

1. 1. 【SET + Programming code + “▲▼” to choose “Program&delete” + ENT + press “Delete/Left button + input YY+ “▲▼” to choose Delete + ENT】 (LCD screen would say “Success”); it means successfully in deleting.
1. 2. “YY”: means zone number with 2 digits, can be from 00

### Wireless Intelligent Door Sensor



#### Features:

- Generally set as Perimeter zone.
- If any door or window is opened, it will transmit the alarm signals to the alarm host.

#### Specifications:

- Operating power: 23A 12V alkaline battery
- Frequency: 433MHZ
- Emitting distance:  $\geq 100\text{m}$  (in open area)
- Service life:  $\leq 1$  year
- Alarm Distance:  $< 4\text{cm}$

Program sensor / Delete sensor

a. Program sensor

1. 1、【SET + Programming code + “▲▼” to choose “Program&delete” + ENT + press “Delete/Left button + input YY+ “▲▼” to choose Program + ENT】(LCD screen would say “programming”);

1. 2、Trigger door sensor 2 times, alarm host panel would say “study successfully”, press “ENT”, and it means successfully in setting.

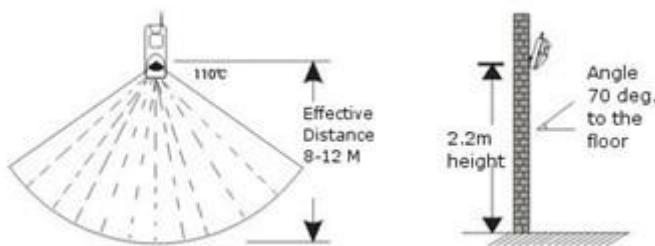
1. 3、“YY”: means zone number with 2 digits, can be from 11~20

b、Delete sensor

1. 1、【SET + Programming code + “▲▼” to choose “Program&delete” + ENT + press “Delete/Left button + input YY+ “▲▼” to choose Delete + ENT】(LCD screen would say “Success”); it means successfully in deleting.

1. 2、“YY”: means zone number with 2 digits, can be from 11~20

**Wireless wide-angle PIR Sensor**



**Features:**

- Mainly monitor and control indoor space, generally set as Motion zone.
- When human body enters into detecting area, the sensor will transmit alarm signals to the alarm host.

**Specifications:**

- Operating power: 9V alkaline battery
- Emitting distance: ≥100m (in open area)
- Service life: ≤1 year
- Detecting distance: 110° 10x10m

**Program sensor / Delete sensor**

a. Program sensor

1. 1、【SET + Programming code + “▲▼” to choose “Program&delete” + ENT + press “Delete/Left button + input YY+ “▲▼” to choose Program + ENT】(LCD screen would say “programming”);

1. 2、Trigger door sensor 2 times, alarm host panel would say “study successfully”, press “ENT”, and it means successfully in setting.

1. 3、“YY”: means zone number with 2 digits, can be from 21~30

b、Delete sensor

1. 1、【SET + Programming code + “▲▼” to choose “Program&delete” + ENT + press “Delete/Left button + input YY+ “▲▼” to choose Delete + ENT】(LCD screen would say “Success”); it means successfully in deleting.

1. 2、“YY”: means zone number with 2 digits, can be from 21~30

**8 Troubleshooting**

Troubleshooting	Reasons	Methods
<ul style="list-style-type: none"> <li>● Can not dial for alarm</li> </ul>	<ul style="list-style-type: none"> <li>●No arming</li> <li>●Alerting phone unsetting</li> <li>●Parts improperly installed, distance too far away,code no match</li> </ul>	<ul style="list-style-type: none"> <li>●Do arming operation</li> <li>●Re-set according to the specification</li> <li>●Coordinating the location of parts,re-coding</li> </ul>

<ul style="list-style-type: none"> <li>●SIM card not found,GSM not dialing out or no SMS sent</li> </ul>	<ul style="list-style-type: none"> <li>●SIM card unloaded</li> <li>●SIM requires a password to dial</li> <li>●GSM signal not good</li> <li>●SIM card contact points not good</li> <li>●Voice calling disable</li> <li>●SMS message disable</li> <li>●SIM card is a pre-paid type of card and no enough deposit</li> <li>●Closed the SMS messages function</li> </ul>	<ul style="list-style-type: none"> <li>●Install SIM card</li> <li>●Cancel the password of SIM</li> <li>●Change place of alarm panel to test signal</li> <li>●Change other SIM for trial</li> <li>●Make sure voice calling and SMS messaging are enabled</li> <li>●Re-fill the SIM card deposit</li> <li>●Open the SMS messages function</li> </ul>
<ul style="list-style-type: none"> <li>●Can not long-distance operation</li> </ul>	<ul style="list-style-type: none"> <li>●Password input wrongly</li> </ul>	<ul style="list-style-type: none"> <li>●Retry password or reset password</li> </ul>
<ul style="list-style-type: none"> <li>●No record indication when alerting</li> </ul>	<ul style="list-style-type: none"> <li>●Voice message not recorded</li> </ul>	<ul style="list-style-type: none"> <li>●Record voice message</li> </ul>
<ul style="list-style-type: none"> <li>●Remote controller out of order</li> </ul>	<ul style="list-style-type: none"> <li>●Coding unmatched with the panel</li> <li>●Insufficient battery power</li> <li>● Battery pieces poor contact or corroded</li> <li>●Voltage unmatched with panel</li> </ul>	<ul style="list-style-type: none"> <li>●Re-learn the remote control</li> <li>●Change battery to correct type</li> <li>●Polish the surface of contact of battery</li> <li>●Contact the local dealer to change the matched remote controller</li> </ul>
<ul style="list-style-type: none"> <li>●Infrared detector out of order</li> </ul>	<ul style="list-style-type: none"> <li>● Low power</li> </ul>	<ul style="list-style-type: none"> <li>●Change to the same type battery</li> </ul>
<ul style="list-style-type: none"> <li>●The transmission distance of detector to panel shorten</li> </ul>	<ul style="list-style-type: none"> <li>● A nearby emitter is sending code</li> <li>●Panel receiver stoppage</li> <li>●Standby battery of the host insufficient</li> </ul>	<ul style="list-style-type: none"> <li>●Move one detector next to panel and try</li> <li>●Identify the interfering source and eliminate it</li> <li>●Check Panel power whether plugged well</li> </ul>