USER’S MANUAL

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VI. Common Problems and Solutions
I. Foreword

Thank you for purchasing and using GSM LCD touch screen wireless home alarm system. This is a Hi-tech household security product. It will make your life safer and colorful. Please read the below information carefully before using for a proper usage.

II. Brief introduction of the Product

Product components: This product is composed of alarm host, basic accessories and optional accessories.

Table 1: Product components

<table>
<thead>
<tr>
<th>Alarm Host</th>
<th>Basic Accessories</th>
<th>Wireless Optional Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>GSM LCD Alarm Host</td>
<td>Remote</td>
<td>Gas alarm</td>
</tr>
<tr>
<td></td>
<td>Wireless intelligent door sensor</td>
<td>Smoke alarm</td>
</tr>
<tr>
<td></td>
<td>(or wireless door sensor)</td>
<td>Wireless outdoor siren</td>
</tr>
<tr>
<td></td>
<td>Wireless wide-angle PIR sensor</td>
<td>Doorbell button</td>
</tr>
<tr>
<td></td>
<td>Wireless indoor siren with sound</td>
<td></td>
</tr>
<tr>
<td></td>
<td>and flash</td>
<td></td>
</tr>
</tbody>
</table>

III. Function Features

1. Touch keypad; LCD displays Date, Day of the week, Time, and current Armed Status
2. Supported Languages: Simplified Chinese, Traditional Chinese, English, German, French, and more to meet different market needs..
3. GSM 2/4 Band Net transmission, phone audible alarming and SMS alarming
4. 29 wireless zones (Each zone supports up to 4 sensors) and 2 dedicated zones for remotes (Supports up to 4 remotes or wireless keypads per zone). Supports 8 more wired zones (Optional)
5. Can preset up to 5 phone numbers and dial in sequence.
6. Intelligent logic analysis technology, corresponding zone number and sensor name can be displayed.
7. Record up to a 10 second greeting for the auto-dialer, then play the greeting back.
8. Arm/Disarm the system by 5 ways: SMS, Main Host (Keypad), Wireless Keypad, Keychain Remotes, or even remotely by phones. (PSTN alarm don't support SMS)
9. Available in AC/DC with Low-voltage Indicators
10. Learning sensors to alarm host, very easy operation.
11. Non-volatile chip, information stored automatically when off power.
12. Check door/window status automatically (This is when the system is disarmed only, if a door is opened, it will sound fast "bi bi bi")
13. Support wireless "ding-dong" doorbell function (Optional)
14. Support CID uploading to CMS (Center monitoring Station), can use our GSM CID connector to have this function.
15. Disconnection alarm, auto priority to occupy the telephone and monitoring function to hear what is happening.
16. Built-in Li-lon backup battery, it will alert when low power or without external power supply.
17. Store up to 100 alarm records and 100 arm/disarm records
A. Understanding of the Alarm Host

1. Specifications:
   - Working power: AC=100–230V, DC=12V 1A
   - Static current:<50mA (when not charging)  Alarm current:<500mA
   - Built-in Li-ion backup battery: 3.7V 1200mAh (rechargeable),
   - Standby: around 16 hours, Full charging time: 12 hours
   - 2-Band GSM: GSM900/1800Mhz (4-Band is optional: 850/900/1800/1900MHz)
   - GSM transmit power: 2W
   - Receiving and emitting frequency: 433MHz
   - Working condition:
     Temperature: -10°C – 50°C
     Humidity: <80%
   - Product dimension: 150x107x26(mm)

2. Zone types and definitions
   - Zone types: Perimeter zone, Motion zone, Emergency zone
   - 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.

3. Modes of arming
   - “Away Arm” mode: Once any detectors in perimeter zones or motion zones get triggered, the host will alarm immediately and meantime dial “#” automatically.
   - “Home Arm” mode: Once any detectors in perimeter zones get triggered, the host will alarm immediately and meantime dial “#” automatically. It will not alarm after any detectors in the motion zone are triggered.
4. How to operate the alarm host?

4.1 Preparation
1. Insert SIM card properly.
2. Fix the antenna
3. Connect the telephone cable: connect the telephone cable of telecommunication to “Tel in” port on the alarm host, then use the telephone cable attached in the package to connect “Tel out” port and telephone set.
4. Connect power: connect the power adaptor to DC port of the alarm host first, then plug it to the AC socket.
5. Turn on the backup battery
6. Check and see if GSM signal is good enough

4.2 Signal level status
1. When standby, press “△” or “▼” and you can see the signal status as below. XX: 0 ... 99 indicates the signal from weak to strong, 99 indicates unknown. YY: Indicates signal status, OK is good, No is a little weak and need to adjust installation position.
2. Press “ESC” to get back for standby status. Or get back to standby status automatically after 30 seconds without any operation.

<table>
<thead>
<tr>
<th>Type</th>
<th>GSM Signal OK</th>
<th>Signal is not normal or SIM card not inserted properly</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Band (900/1800 MHZ)</td>
<td>Signal indicator keeps flash about every 2 seconds</td>
<td>Signal indicator keeps on</td>
</tr>
<tr>
<td>4-Band (850/900/1800/900 MHZ)</td>
<td>Signal indicator keeps flash about every 3 seconds</td>
<td>Signal indicator keeps flash about every 1 seconds</td>
</tr>
</tbody>
</table>

4.3 How to program?

Note:
1. The host will exit programming mode if without any operation within 30 seconds
2. It will exit to the previous menu if press “ESC”
3. If enter codes by mistake for 3 times, the host panel will resume to the standby mode
4. You can press “△ ▼” to adjust programming info. or to find alarming info.

4.3.1 Table 2: Menu Preview

<table>
<thead>
<tr>
<th>Main menu</th>
<th>Sub-Menu1</th>
<th>Sub-Menu2</th>
<th>Sub-Menu3</th>
<th>Sub-Menu4</th>
<th>Sub-Menu5</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Set time</td>
<td>Set time</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Hour/minute/second</td>
</tr>
<tr>
<td>Set date</td>
<td>Set date</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Year/Month/Day/Week</td>
</tr>
<tr>
<td>Auto-dialer's</td>
<td>Call center</td>
<td>Call by phone</td>
<td></td>
<td></td>
<td></td>
<td>Alarming phone number, Group 2~5 for personal</td>
</tr>
<tr>
<td>Entry delay</td>
<td>Entry delay</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Time delay for entering</td>
</tr>
<tr>
<td>Exit delay</td>
<td>Exit delay</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Time delay for exiting</td>
</tr>
<tr>
<td>Siren on/off</td>
<td>Siren off</td>
<td>Emergency siren</td>
<td>Perimeter siren</td>
<td>Motion siren</td>
<td></td>
<td>Duration time of alarming sound</td>
</tr>
<tr>
<td>Arms/Disarm Beep</td>
<td>Arms/Disarm Beep</td>
<td>Yes/No</td>
<td></td>
<td></td>
<td></td>
<td>No need to setup if separate use</td>
</tr>
<tr>
<td>User ID</td>
<td>Enter Usercode</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>No need to setup if separate use</td>
</tr>
<tr>
<td>Upload status</td>
<td>Upload status?</td>
<td>Yes/No</td>
<td></td>
<td></td>
<td></td>
<td>No need to setup if separate use</td>
</tr>
<tr>
<td>Zone attribute</td>
<td>Zone number</td>
<td>XX Zone type</td>
<td>XX</td>
<td>Alarm Type</td>
<td>XX</td>
<td>Bypass Zone?</td>
</tr>
<tr>
<td>Set Smart Zone</td>
<td>Zone number</td>
<td>Smart Sensor ON/Off</td>
<td>Yes/No</td>
<td>Smart Sensor ON/Off</td>
<td>Yes/No</td>
<td>Zone Indicator</td>
</tr>
<tr>
<td>Programsensor</td>
<td>Zone number</td>
<td>Group number</td>
<td></td>
<td>Activate Sensor</td>
<td>Yes/No</td>
<td>Delete Sensor</td>
</tr>
</tbody>
</table>

Note: If SIM card is not insert properly, it will shows:

NO SIM CARD: XX YY
4. [Entry delay]:

[ENT + Entry Delay+ press "X" to delete old record + XX + ENT] → "XX":2 digits, you can set 00–59 seconds. (default: "00")

5. [Exit delay]:

[ENT + press "X" to delete the old record + XX + ENT] → "XX":2 digits. you can set 00–59 seconds. (default is: "15")

6. [Siren On/Off]:

[ENT + Siren On/Off, press "A" to choose ON or OFF.]

6.1. If choose ON, the system will have alarm sound when alarm triggered. You need to setup the alarming delay time(seconds) in the next sub-menus. Please do as following:

ENT+press "X" to delete old record + input new time XX + ENT. You can set 00–60 minutes, the default is "03"

6.2. If choose OFF, just press ENT to confirm ok. Then the system will not alarm when sensors triggered.

7. [Arm/Disarm Beep]:

ENT + Arm/Disarm Beep, press "A" to choose YES or NO. The default set before shipment is "YES".

8. [User ID]:

Here need to setup only based on linking network. Operations: ENT + press "X" button to delete old record + XX + ENT] → "XX":4 digits, you can set 0000–9999. Default set before shipping is at ransom.

9. [Upload status]:

This is for uploading Arm/Disarm/Alarm information to the Managing Centre. Operations: [ENT + "A"

8 optional wired sensors) and 8 optional wired zones.

10. [Zone Attribute]:

Here is setting [Zone number] , [Zone type] , [Alarm Type] [Bypass Zone] & [Entry Delay Set].

* [Zone number]: Here has 39 zones for your settings. 2 dedicated zones for remotes(Supports up to 4 remotes or wireless keypads per zone),29 wireless zones (Each zone supports up to 4 sensors) and 8 optional wired zones. Each zone needs to setup "Zone Type", "Alarm Type", "Bypass Zone" & "Entry Delay".
### Table 3: "Zones Number" setting

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

#### Table 4: Wireless/wired sensor code

<table>
<thead>
<tr>
<th>Code</th>
<th>Sensor Name</th>
<th>Button0</th>
<th>Button1</th>
<th>Gas</th>
<th>Smoke</th>
<th>Door</th>
<th>Window</th>
<th>Glass</th>
<th>Motion</th>
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<td>08</td>
<td>Sensor Name</td>
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</tbody>
</table>

### Table 5: Default set before shipment

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Zone Number</td>
<td>00</td>
<td>11</td>
<td>21</td>
<td>02</td>
<td>03</td>
</tr>
</tbody>
</table>

#### Table 5: Default set before shipment

<table>
<thead>
<tr>
<th>Zone Number</th>
<th>Wireless Sensor Type</th>
<th>Keychain Remot?</th>
<th>Wireless Door/Window Sensor</th>
<th>Wireless Wide-Angle PIR</th>
<th>Wireless Gas Alarm (N/A)</th>
<th>Wireless Smoke Alarm</th>
</tr>
</thead>
<tbody>
<tr>
<td>00</td>
<td>Wireless sensors</td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>11</td>
<td>Wireless sensors</td>
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<tr>
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<td>Wireless sensors</td>
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</tr>
<tr>
<td>02</td>
<td>Wireless sensors</td>
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<td>Wireless sensors</td>
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</tr>
<tr>
<td>31</td>
<td>Wired sensor</td>
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<tr>
<td>32</td>
<td>Wired sensor</td>
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<tr>
<td>33</td>
<td>Wired sensor</td>
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<tr>
<td>34</td>
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<tr>
<td>35</td>
<td>Wired sensor</td>
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<tr>
<td>36</td>
<td>Wired sensor</td>
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<td></td>
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<tr>
<td>37</td>
<td>Wired sensor</td>
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<tr>
<td>38</td>
<td>Wired sensor</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

#### Notes:
- **[Bypass Zone]:** This setting is for make zones enable or disable. Here has "Yes" & "No" for your alternatives. "Yes" means make this zone's sensors silent, "No" means keep this zone's sensors working. Press "YES" to choose "Yes" or "No", then press ENT to confirm your settings.
- **[Entry Delay Set]:** This is for settings delay time of alarming. Here has "Yes" & "No" for your selection. The delay duration time please refer to what you have preset in the menu [Entry delay]. Press "YES" to choose "Yes" or "No" to setup entry delay or without entry delay.
- **[Set Smart Zone]:**
  - **[Zone Nummer]:** Press "YES" button to delete old record + XX + ENT → "XX": 2 digits. Alarm type code. 2 digits. (See below表.)
  - **[Smart Sensor ON]:** This is for open and close the intelligent door/window sensor function. [ENT + Smart Sensor ON, press "YES" or "NO" for open, “NO” for closed.
  - **[Smart Sensor OFF]:** This is for open and close the status of the zone (no need to set for wired zones).
  - **[Zone Indicator]:** This is for setting if the zone needs alarm indication while disarmed status.
  - **[ENT + Smart Sensor ON, press "YES" or "NO" for open, "NO" for closed.**

---

13. [Bypass Zone] : This setting is for make zones enable or disable. Here has "Yes" & "No" for your alternatives. "Yes" means make this zone’s sensors silent, "No" means keep this zone’s sensors working. Press "YES" to choose "Yes" or "No", then press ENT to confirm your settings.

14. [Entry Delay Set] : This is for settings delay time of alarming. Here has "Yes" & "No" for your selection. The delay duration time please refer to what you have preset in the menu [Entry delay]. Press "YES" to choose "Yes" or "No" to setup entry delay or without entry delay.

Note: Press "ESC" to exit from the programming status after finish settings.

15. [Set Smart Zone] :
   - **[Zone Nummer]:**
     - [ENT + Zone Number + press "YES" button to delete old record + XX + ENT] → "XX": zone number, 2 digits.
   - **[Smart Sensor ON]:**
     - This is for open and close the intelligent door/window sensor function.
     - [ENT + Smart Sensor ON, press "YES" or "NO" for open, “NO” for closed.
   - **[Smart Sensor OFF]:**
     - This is for open and close the status of the zone (no need to set for wired zones).
   - **[Zone Indicator]:**
     - This is for setting if the zone needs sound indication while disarmed status.
     - [ENT + Smart Sensor ON, press "YES" or "NO" for open, "NO" for closed.**
16. [Program Sensor]
This setting is for adding or deleting Sensors in the above mentioned Zones (includes Zone 00, 01).

16.1 [ENT + Zone Number + press "G" button to delete old record + XX + ENT] → "XX", zone number, 2 digits. Refer to Table 3.

16.2 [ENT + Group Number + press "G" button to delete old record + XX + ENT] → "XX", group number, 2 digits.

This Group Number is for Sensors’ numbers, each zone can be connected up to 4 sensors, the Group Number is from 00 to 03. "00" means Sensor 1, "01" means Sensor 2, "02" means Sensor 3, "03" means Sensor 4.

16.3 [ENT + press "AV" to choose "ActivateSensor" or "Delete Sensor"][I]

If choose Activate Sensor
This means adding Sensors to this host. Operations:
Get a sensor learning to the host, the word "learning" will show on the LCD Screen, if have been learned, the word "success" will show on the LCD Screen.

Note: If a word "update?" shows on the screen, which means this sensor has been added before, you may choose "Yes" or "No" to decide going on programming or not for this sensor.

If choose Delete Sensor
This means deleting the added sensors from the host. Operations:
Get into [Program Sensor] menu, choose Zone Number and Group Number you desire to delete, press "AV" to choose Delete Sensor, press ENT, the host will give a long beep sound. Then the words "Deleting Sensors Success" will show on the LCD Screen, which means you have deleted the sensors successfully.

17. [Wireless Code]
[ENT + press "G" button to delete old record + XXXX + ENT] → "XXXX", range of code, 5 digits.

18. [Alarm History] [ENT + Alarm History, press "AV" to review] [I]

19. [Status History] [ENT + Status History, press "AV" to review] [I]

Note: Press "ESC" to exit from the programming status after finish settings.

4.3.3 How to revise Master code?
This setting is for changing the "Enter Code" of the host. (The defaulted "Enter Code" is "888888").

[ENT + 999999 + ENT + Enter New Code + Input 6-digit new code + ENT + Re-Enter Code] The host panel will be back to the standby mode after successful programming.

Note: If input the codes 3 times by mistake, the host will be back to the standby mode automatically.

4.3.4 How to operate the Alarm Host?
1. Record: Keep pressing the "record button" on the back of the alarm host and speak close to the speaker of host. Then release, the voice recorded.
2. Play: Keep pressing the "play button" on the back of the alarm host and you will hear the previous record.
3. Arm: By wireless remote: press the corresponding arm button and the host will beep once to success fully complete the operation.
4. Disarm: By wireless remote: press the corresponding disarm button and the host will beep twice to successfully complete the operation.
5. Emergency: By wireless remote: Press Emergency key and the host will arm immediately; By host panel (Keypad): [ESC + master code + ENT] the host will beep twice to successfully complete the operation.
6. Telephone alarm: After receiving the call, you will hear the recorded voice message immediately, it can be played for 30 seconds repeatedly, then follow the below instruction.
   6.1. Input "8" to enter into the listening status for 20 seconds automatically, you can hear the alarming event sounds from the phone. Each extra press of "8" can prolong 20 second listening in.
6.2. Input "9" to play the recorded voice message for one time automatically.
6.3. Input "0", the host will end the call and stop dialing any auto dialer.
6.4. Directly hang off the telephone, the host will end the call and automatically dial the next auto dialer.
7. SMS reporting: Mobile will get SMS like "System Alarming XX, YYYY", "XX" means zone number, "YYYY" means the detailed sensor.
8. Arm remotely by phone: 30 seconds after successfully dial the telephone number of host, enter the password of host after the beep — enter 1 after beep — the host will automatically hang up after beep to successfully complete the operation.

Note: You can set “Armed Away” remotely by phone, but keep notes that you can’t set “Armed Home” by this way.

9. Disarm remotely by phone: 30 seconds after successfully dial the telephone number of host, enter the password of host after the beep — enter 0 after beep — the host will automatically hang up after beep to successfully complete the operation.

10. Arm by SMS: You can edit SMS “XXXXXBF” to host panel, the host panel would arm automatically when getting this SMS, and also will message back to mobile “Arm successfully”.

Note: Arm by SMS is only for “Armed Away”.

11. Disarm by SMS: You can edit SMS “XXXXXCF” to host panel, the host panel would disarm automatically when getting this SMS, and also will message back to mobile “Disarm successfully”.

12. Monitoring of door/window status: When the smart zone is ON, the arm operation is normal if all the doors or windows are closed. But if any door or window is open, the host will sounds “Di Di Di” and at the same time it has below displays alternately:

```
XX YYYYY
```

Note: 1. This function is available only with wireless intelligent door sensor programmed.

2. If arm by SMS or phone call, the operation is same as original.

3. If arm by remote controller or wireless keypad, it will arm successfully after two successive arm operation.

13. Wireless “Ding Dong” doorbell: the alarm host will sounds “Ding Dong” three times after each press of the doorbell button.

Note: This is an optional function. To have this function, need to add and program a wireless doorbell button.

### 5. Operation notice!

1. Alarm processing mode: immediately after the system alarms, it starts to dial (or send SMS) in sequence from the 1st group number to the 5th group number (skip empty numbers) automatically. It dials (or send SMS) circularly for three times, the answered number (or the number which received the SMS) will not dial (or send SMS) repeatedly.

2. Exit delay alert: the alarm host sounds “Di” every 1 second (door/window is closed) within preset exit delay time.

3. Alarm delay alert: the alarm host sounds “Di” every 1 second within preset alarm delay time.

4. Alarm priority: A. If the alarm host’s own telephone line is occupied when it is alarming, it will cut it and make it unoccupied, at the same time dial out to report alarm event.

B. The alarm host’s “Ding Dong” sound will switch to alarm sound and dial to report if it receives alarms signal when sounds “Ding Dong”.

5. External power supply cut alert: the alarm host sounds “Di” every 8 seconds.

6. Lower voltage alert: the alarm host sounds “Di Di Di” every 8 seconds when power gets very low.

### 6. How to connect optional wired sensors? (2.2K balance resistor is necessary)

```
<table>
<thead>
<tr>
<th>Red</th>
<th>Sensor +12V power output</th>
</tr>
</thead>
<tbody>
<tr>
<td>+</td>
<td></td>
</tr>
<tr>
<td>Black</td>
<td>GND</td>
</tr>
<tr>
<td>White</td>
<td>Zone 31 Door sensor</td>
</tr>
<tr>
<td>Yellow</td>
<td>Zone 32 CurtainPIR sensor</td>
</tr>
<tr>
<td>Blue</td>
<td>Zone 33 CurtainPIR sensor</td>
</tr>
<tr>
<td>Green</td>
<td>Zone 34 Wide-anglePIR sensor</td>
</tr>
<tr>
<td>Purple</td>
<td>Zone 35 Wide-anglePIR sensor</td>
</tr>
<tr>
<td>Brown</td>
<td>Zone 36 Panic button</td>
</tr>
<tr>
<td>Grey</td>
<td>Zone 37 Gas sensor</td>
</tr>
<tr>
<td>Orange</td>
<td>Zone 38 Smoke sensor</td>
</tr>
<tr>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>
```

Note: 1. This function is available only with wireless intelligent door sensor programmed.

2. If arm by SMS or phone call, the operation is same as original.

3. If arm by remote controller or wireless keypad, it will arm successfully after two successive arm operation.

4. Wireless “Ding Dong” doorbell: the alarm host will sounds “Ding Dong” three times after each press of the doorbell button.

Note: This is an optional function. To have this function, need to add and program a wireless doorbell button.
1. Wireless Remote

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

1.2 Specifications:
- Operating power: 27A 12V alkaline battery
- Emitting distance: >100m (in open area)
- Service life: ≤1 years

1.3 Installation and Usage:
- For users to take along.
- Generally, press the “Away” key to arm before leaving home; press the “Disarm” key to disarm; press the “Home” key setting “Armed home”, please note that “Arm Home” is only effective for sensors in Perimeter Zone (door sensor/curtain PIR sensor) and sensors in Emergency Zone (Like Gas sensor, Smoke sensor, Glass sensor, Emergency button), it is not effective for all sensors in Motion zone (Like wide-angle PIR).
- Please replace the batteries after one year usage and when you feel shorter control distance.

1.4 How to program: Please refer to the descriptions of (Program Sensor).

Note: You can only add 1 wireless remote each time, totally 8 available to be added. Each serial number is available to study 1 wireless remote, the latter configured remote will be workable and the former one becomes not workable automatically.

2. Wireless Intelligent Door Sensor

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

2.2 Specifications:
- Operating power: 23A 12V alkaline battery
- Frequency: 433MHz
- Emitting distance: ≤100m (in open area)
- Service life: ≤1 year
- Alarm Distance: ≤4cm

2.3 Installation and Usage:
- Fix the part of magnet onto the door frame in a position of 1.6m above the ground to prevent any children from bumping onto it
- Fix the part of emitting onto the door frame, make sure to keep the part of magnet and part of emitting in parallel, the space between the two parts shall be less than 10mm
- Upon the working light flashes frequently in red, please replace the batteries.

2.4 How to program:
Please refer to the descriptions of 【Set Smart Zone】
Note: You can only add 1 wireless door magnet each time, totally 4 available to be added.
Each serial number is available to study 1 wireless door magnet, the latter configured wireless door magnet will be workable and the former one becomes not workable automatically.

3. Wireless Door Sensor

3.1-3.3 (Same as Wireless Intelligent Door Sensor 2.1-2.3)

3.4 How to program:
Please refer to the descriptions of 【Program Sensor】 or Table 6.

4. Wireless wide-angle PIR Sensor

4.1 Functions 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.

4.2 Specifications:
- Operating power: 9V alkaline battery
- Emitting distance: ≥100m (in open area)
- Service life: ≤1 year
- Detecting distance: 110° 10×10m
Installation and Usage:

1. Fix the bracket on a wall at a distance of 2.2-4 m above the ground.
2. Open the sensor shell to connect the batteries well and adjust jumper lines.
3. The sensor will detect once every 5 seconds; short circuit "5MIN" for normal use.
4. Fix the sensor onto the bracket.
5. Slide the power switch on the side to "ON" and it will enter into the normal working state after 30 seconds.

How to program:

1. You can only add 1 wireless siren each time.
2. When configuring the wireless siren, you can only operate on the keypad of the alarm host.
3. One siren can be studied to at most 10 wireless alarm hosts, multi wireless sirens are available to be added for each alarm host.

Working Light

Test Button

Power Light

Air Hole

1. Wireless Gas Alarm

1.1 Functions Features:
- Mainly monitor and control indoor gas leak, generally set as Emergency Zone.
- Usually installed in kitchen.

1.2 Specifications:
- Operating power: 110~240VAC, 50~60Hz
- Emitting distance: ≥100m (in open area)
- Inductive gas: Natural gas: 0.1%~0.5%
- Liquefied petroleum gas (LPG): 0.1%~0.3%

1.3 Installation and Usage:
- Fix the gas alarm onto proper wall surface inside the kitchen.
- Connect the alarm to the power and it will be ready to detect after two minutes.

5. Wireless Indoor Siren

5.1 Functions Features:
- Work with alarm host, wireless receiving alarm signals, spot alarming with sound and flash
- With power plug, usually for indoor use.

5.2 Specifications:
- Operating Power: 100~240VAC
- Receiving Distance: ≥100 M (In open area)

5.3 Installation and Usage:
- Plug the wireless siren into suitable indoor power socket
- Suggestion: Generally around 1.8 M from the ground

5.4 How to program:
- Please refer to the descriptions of [Program Sensor] or Table 6.
- Note: You can only add 1 wireless siren each time.

4.3 Installation and Usage:

- Fix the bracket on suitable wall surface or in wall corner at a distance of 2~2.4 m above the ground;
- Open the sensor shell to connect the batteries well and 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 the batteries.

4.4 How to program:

- Please refer to the descriptions of [Program Sensor] or Table 6.
- Note: You can only add 1 wireless wide-angle PIR sensor each time, totally 4 available to be added.

Each serial number is available to study 1 wireless wide-angle PIR sensor, the latter configured wireless wide-angle PIR sensor will be workable and the former one becomes not workable automatically.
1.4 How to program
- Please refer to the descriptions of [Program Sensor] or Table 6.
  *Note: 1. You can only add 1 wireless gas alarm each time, totally 4 available to be added.
  2. Each serial number is available to study 1 wireless gas alarm, the latter configured wireless
  gas alarm will be workable and the former one becomes not workable automatically.

2. Wireless Smoke Alarm
2.1 Functions Features:
- Mainly monitor and control indoor fire risks, generally set as Emergency Zone.
- Replace the batteries for every 1 or 2 year.
- Usually installed on the ceilings of living room and aisles.

2.2 Specifications:
- Operating power: 9V alkaline battery
- Emitting distance: >100m (open area)
- Service life: ≤3 year
- Monitoring range: 20m

2.3 How to program:
- Please refer to the descriptions of [Program Sensor] or Table 6.
  *Note: 1. You can only add 1 wireless smoke alarm each time, totally 4 available to be added.
  2. Each serial number is available to study 1 wireless smoke alarm, the latter configured wireless
  smoke sensor will be workable and the former one becomes not workable automatically.

3. Wireless outdoor siren
3.1 Functions Features:
- Nice, exquisite and waterproof
- Mico-computer controlling, steady performance and high-class quality
- Study to at most 10 pcs of wireless alarm host
- With inbuilt charging circuit and back up accumulators, automatic AC power and DC power
  transformation
- Low standby power consumption, self-inspection of lower battery voltage, automatic charging
- Wall hanging installation

3.2 Specifications:
- Operating power: 110~240VAC, 50Hz
- Static power consumption: ≤40 mA
- Working power consumption: ≤50mA
- The maximum alarm sound with flash: 3 Minutes
- Receiving distance: >100M (In open area)
- Alarming volume: ≥105db

3.3 Installation and usage
- Press down the green power switch on the back after connecting to the AC power
- Study the siren to the alarm host according to the instruction below
- Unplug from the AC power, fix it in the proper outdoor place with handing hook, and then plug to
  the AC power
- The max time for alarming sound with flash is 3 minutes, it will stop automatically after the alarm host is
  disarmed
- When the back-up battery has a lower voltage than 5VDC, the charging indicator turns on, the back-up
  accumulators will be charged automatically, the approximate charging time is 20 hours, when the
  charging indicator off, it means it has finished charging

3.4 How to program
Activate
- (Siren) connect the siren to power by plugging in to the socket-----press red studying switch on
  the back, siren lights on
- (Alarm host) Press “2” on the alarm host to let the alarm host goes off-----Let it stop alarming
  ( "2" ----Input programming password---ENT)-----you will hear “DIDI” from the alarm host after
  5 seconds
- One siren can be studied to at most 10 wireless alarm hosts, multi wireless sirens are available to be
  added for each alarm host.
Deactivate
- Keep pressing the red button for 10 seconds and a successful deactivation will be followed by a
  flash of the alarming light
Note: all the alarm hosts will become invalid to this siren after this operation
4. Wireless doorbell button

4.1 Functions Features:
- Installed in the entrance, the alarm host will sounds "Ding Dong" if someone press it

4.2 Specifications:
- Operating power: 3.7V Li-lon battery
- Emitting frequency: 433Mhz
- Emitting distance: ≥100M (In open area)
- Service life: ≥1 year

4.3 Installation and usage:
- Fix the base on the wall in a position of 1.6m above the ground.
- Then fasten the main part with the base.
- Change batteries when indicator flashes frequently in green.

4.4 How to program:
- Please refer to the descriptions of [Program Sensor].
  (The doorbell button has its fixed zone number --- "20")
- Note: 1. You can only add 1 wireless doorbell button each time, totally 4 available to be added.
  2. Each serial number is available to study 1 wireless doorbell button, the latter configured wireless doorbell button will be workable and the former one becomes not workable automatically.

Table 6: Preview of how to activate and deactivate "Basic accessories (Wireless)"

<table>
<thead>
<tr>
<th>Basic accessories</th>
<th>Zone Number</th>
<th>Max. no. to be programmed</th>
<th>How to activate</th>
<th>How to deactivate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remote</td>
<td>00. 01</td>
<td>8</td>
<td>1. SET + Programming code = &quot;#Y&quot; &quot;Program sensor&quot; + ENT + &quot;#Y&quot; &quot;Program sensor&quot; + ENT + &quot;#Y&quot; &quot;Activate sensor&quot; + ENT</td>
<td>1. SET + Programming code = &quot;#Y&quot; &quot;Program sensor&quot; + ENT + &quot;#Y&quot; &quot;Program sensor&quot; + ENT + &quot;#Y&quot; &quot;Delete sensor&quot; + ENT</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Press any key on the remote twice successively, the host LCD will display &quot;Success&quot;</td>
<td>2. Press any key on the remote twice successively, the alarm host will beep once and press ESC to exit.</td>
</tr>
</tbody>
</table>

Table 7: Preview of how to activate and deactivate "Optional accessories (Wireless)"

<table>
<thead>
<tr>
<th>Optional accessories</th>
<th>Zone Number</th>
<th>Max. no. to be programmed</th>
<th>How to activate</th>
<th>How to deactivate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas alarm</td>
<td>02~10</td>
<td>4</td>
<td>1. Same as above</td>
<td>Same as above</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2. Trigger gas alarm by releasing gas, the host LCD will display &quot;Success&quot;</td>
<td></td>
</tr>
<tr>
<td>Smoke Sensor</td>
<td>02~10</td>
<td>4</td>
<td>1. Same as above</td>
<td>Same as above</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2. Trigger smoke alarm by releasing smoke, the host LCD will display &quot;Success&quot;</td>
<td></td>
</tr>
<tr>
<td>Outdoor Siren</td>
<td>N/A</td>
<td>--</td>
<td>Same as wireless indoor siren</td>
<td>Same as wireless indoor siren</td>
</tr>
</tbody>
</table>
### V. Common Problems and Solutions

<table>
<thead>
<tr>
<th>Symptoms of Faults</th>
<th>Possible Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>The alarm host can't fully record</td>
<td>Did not keep pressing the record all the time while recording</td>
<td>Keep pressing the record all the time while recording</td>
</tr>
<tr>
<td>Repeatedly receiving the alarm telephone</td>
<td>Fail to operate according to the operation instruction of the telephone alarm</td>
<td>Follow the below instructions after answering the alarm phone calls and hearing the recorded message: (See Point 4 of “How to operate the Alarm Host?”)</td>
</tr>
<tr>
<td>Can't receive alarm sms or can't receive sms reply after made arm or disarm operation by sms</td>
<td>1. SIM card is not insert properly 2. GSM signal is not good enough</td>
<td>1. Insert SIM card properly 2. Adjust alarm host’s installation position till the signal status shows “OK”</td>
</tr>
<tr>
<td>The host does not alarm after the detector is triggered in arm state</td>
<td>1. Caused by the functions of arm mode (Armed Away and Armed Home); 2. Have already setup time for Entry Delay or Exit Delay</td>
<td>1. “Armed Away” mode: the alarm goes off when any sensor is triggered; 2. “Armed Home” mode: the alarm goes off when any sensor in 1st Defense Line is triggered and it won’t alarm when any sensor in 2st Defense Line is triggered 3. Program to adjust the time for Entry Delay or Exit Delay</td>
</tr>
<tr>
<td>The PIR sensor doesn't work</td>
<td>1. Not connected to the power 2. Port of the detector is in the power-down mode.</td>
<td>1. Open the sensor shells to install the batteries well and slide the power switch to On; &quot; 2. 3S: Detect once every 5 seconds; 5MIN: Detect once every 5 minutes;</td>
</tr>
<tr>
<td>The detecting distance of PIR sensor gets shorter</td>
<td>The ambient temperature in the detecting area is too high.</td>
<td>When the ambient temperature in the detecting area exceeds the human body temperature, the detecting distance will get shorter, it’s normal.</td>
</tr>
</tbody>
</table>

### VI. Common Problems and Solutions

This alarm is the hi-tech product with the outstanding design and sophisticated technique, and shall be used carefully. To make the alarm to operate for a long term stably and to prolong the service life, it is recommended that:

1. Try to put the alarm host in the dry and well-ventilated places;
2. Do not put the host and any wireless detectors in too cold, too hot or dusty places to prevent it from curtailing the service lives of electric parts and preventing the plastic shell from disturbing and accelerating to age;
3. Do not put the host and any wireless detectors in low and too exposed places to prevent the children from touching them or the thieves from finding them;
4. Regular testing is necessary for finding and resolving problems in time.
5. Regularly check the batteries in all wireless sensors and replace the running out batteries to ensure the normal operation of them;
6. You’d better keep the power of the alarm host and all wireless accessories off while a long-time vacancy of the system.

The host does not alarm after the new added wireless detector is triggered. Failed to follow the operation instruction of “Adding and deleting sensors” to add the new wireless sensor

The PIR sensor flashes frequently in green. Batteries are running out.

The door sensor’s indicator flashes frequently. Batteries are running out.

The distance of the remote controller gets shorter. Batteries are running out.

Replace with new batteries of the same specification.

Follow the operation instruction of “How to program” to activate the new wireless sensor.