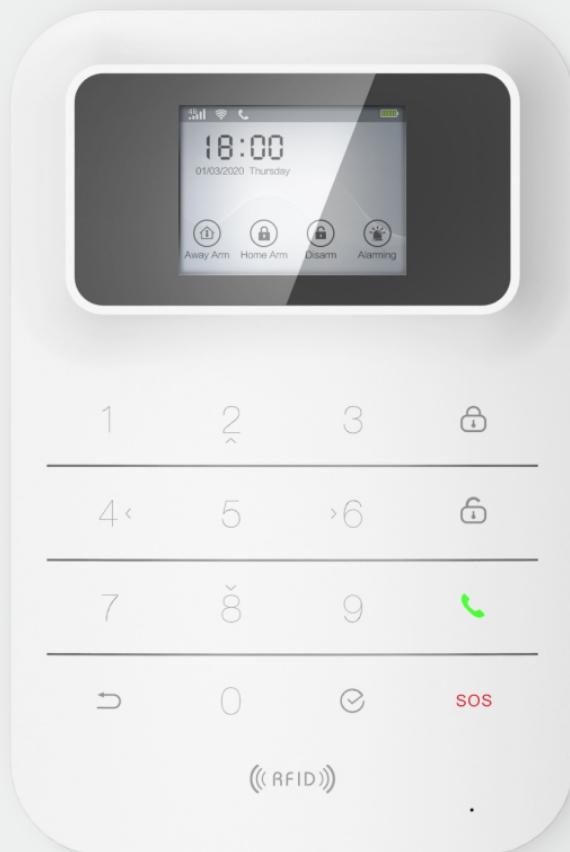


- High-End Class WIFI / GPRS / GSM Network Home Alarm system

Network Alarm Panel User Manual

EN



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1. Product Summary

W1 alarm system adopts the up-to-date digital sensor and transfer technology, which integrates burglar, and fire/gas protection for smart alarm system.

W1 adopts 2.4 inch LCD Color screen, multi-language graphic display, unique operation system, easy to use. Support IOS and Android Phone app software. Users can remotely control and program the alarm host Via APP, also support multi-language. The system adopts WIFI/GSM/GPRS wireless network digital signal processing technical. When alarm, it will inform alert via voice, information push, pop-up alarm on screen.

W1 is a advisable choice for personal house 's security, working office's security and factory's security with fashionable appearance and multi-functions.

For a better service for users, please read this user's manual before installing and operating this alarm system.

2. Main Features

- ◆ WIFI/GPRS/SMS multi-network transmit alert, two network backup modes for selection.
- ◆ Adopts 2.4 inch LCD Color screen, multi-language graphic display, unique operation system, easy to use.
- ◆ Support 8 remote controllers maximum, home arm and away arm.
- ◆ 32 wireless zones type and 13 zones types are optional: disable, delay, burglar, smart perimeter, fire, gas, duress, panic, medical, doorbell, smart, arm/disarm, outing reminder.
- ◆ Support 8 alarm numbers. Alarm phone type can be set in SMS, dialing, SMS dialing, and CID ect.
- ◆ Connect network with alarm center, compatible Contact ID Protocol.
- ◆ Support 8pcs of smart socket, support alarm linkage, timing switch, remote operation.
- ◆ Support to auto push messages about doorbell zone.
- ◆ Designed by class codes, a set of program code, a set of user code, a set of duress code.
- ◆ Support IOS and Android APP software, user can operate and program alarm host via app software.
- ◆ Support arm/disarm, system, alarm information pushed in multi-language, alarm information pop-up on the screen, alarm voice and vibration.
- ◆ Zone name can be edited by users, Check all states of the host in real time.
- ◆ Fast intelligent/AP networking capabilities, multiple mobile phones at the same time control the host, and optional sharing of features to other users.
- ◆ Support 4 fast call number or direct-call by inputting number in keypad. Support HR answering call.

- ◆ Built-in siren, support connecting with 1 wired siren and wireless siren.
- ◆ Support remote operation by SMS for arming, disarming, monitoring and querying status etc.
- ◆ 8 arming/disarming timers can be set based on weekdays and weekends.
- ◆ Built-in high power capacity lithium battery can be standby 8 hours at least.
- ◆ Support 250 pieces of latest alarm records and querying via APP.
- ◆ Support SIA DC-09 protocol.

3. System Introduction

3.1 Panel installation

This Panel support USB power adaptor, and panel can be installed on desk or hanged on wall with easy and convenient operation. Please install the bracket first before installing the panel on a desk or wall and make sure that the panel is installed in the center with good GSM signal and wireless signal reception. Keep the panel away from big metal objects, high-frequency household appliances, concrete walls and firewall.

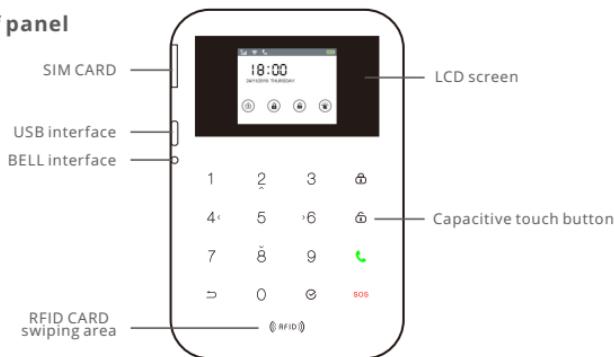
3.1.1 Wireless Detectors Installation

Install the enrolled detectors in an effective distance from alarm system as the user's manual of wireless detector describes. Make sure to test the detectors and alarm system after installation.

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

3.2 Illustration Panel

3.2.1 Front of panel



- LCD image resolution:320*240, support English, Germany, Chinese and other languages.



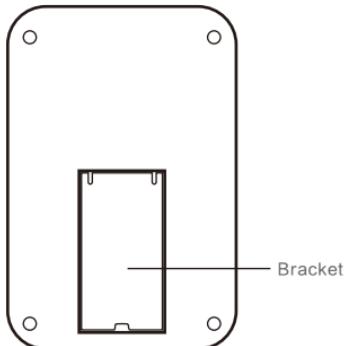
Note:

- 1.The signal level of GSM module is 0-5. 0 means no signal, the signal over 3 means normal working.
- 2.When there is not WIFI signal, means not setting WIFI password; When WIFI signal is one bar, means connecting with router successfully; When WIFI signal is full bar, means load in server successfully, and we can operation via APP.

• **Capacitive Touch Button**

- Ⓐ Away Arming, long press for 3s
- Ⓑ Disarming, first input user's code, then press ⓒ
- Ⓒ Calling, first input dialing number, then press ⓒ
- Ⓓ SOS, press ⓒ for 3s
- Ⓔ Back, press ⓒ for backing the previous step
- Ⓕ OK, press ⓒ

3.2.2 Back of Panel



- **Siren Port**

Siren port is used to connect wired siren or alarm lamp, and the port current cannot be beyond 150mA. Please be careful of the polarity when connecting with wired siren. The positive side of siren should be connected with BELL port, and passive side of siren should be connected with GND port. Recommend to adopt 12V piezoelectric outdoor siren.

- **Illustration of Beep**

Beep	Illustration
A short "DI"	Arming succeed
A long "DI"	Operation faults
Two short "DI"	Accessory enroll succeed / Operation succeed / Disarming succeed
A short "DI" / second	Arming delaying / Alarm delaying

3.3 Function introduction

3.3.1 Away arming

Away arming refers to arm all the detectors of whole house when users are out of home. When detectors are triggered by burglar/fire/gas, panel host will alarm immediately.

3.3.2 Home arming

Home arming refers to arm some of detectors outside for safety when users are in house. In other words, some of detectors will be working, while others are not. Users can set the protected zone in the home arming list .

3.3.3 Disarming

Disarming refers to stop all the sensors working and terminate panel host alarming. Panel host will not alarm even if detectors are triggered.

3.3.4 Emergency

When emergency happened , users can long press in the panel host for 3s, then the panel host will be alarming immediately.

3.3.5 Swiping RFID card to inform

The user can swipe RFID card to disarm, and host will send the RFID card notification to user mobile phone.

3.3.6 Door open/close function

- **Door Open/Close**

User can set door open/closed function for any zones to avoid arming failure when door's open. When door open/closed setting is enabled/activated, all doors/windows should be closed to arm.

- **Force arm**

When user wants to arm the zones with open door, it needs to enable the force arm function. When arming compulsively, the zones with open door are disabled. Only the door is closed, the zones will work normally.

4. Initial Charging

According to the installation, users should put the SIM card into SIM card slot back of panel, then put the power adapter into power outlet back of panel. At the same time, the LCD, indicators and back lights of panel will be lighted on, then the panel starts to detect GSM network. Observe the main LCD of the panel, signal indicates normal; If panel under power off status, when AC activate, it will turn on automatically, otherwise need to manually turn on. If the panel under power lower status, There is notification on LCD, and will turn off automatically after 1 hour.

5. Keypad Operation

5.1 Operation Menu

5.1.1 Keypad operational order chart

Function	Keypad Operation	Instruction
Arming/Disarming Order		
Away Arm	[User Password][]	1234User Password Factory Default: 1234
Away Arm	[](Press 3s)	Fast Arm
Home Arm	[User password][0][]	1234User Password Factory Default: 1234
Disarm	[User Password][]	1234User Password Factory Default: 1234
Duress Disarm	[Duress password][]	Duress Password Factory Default: 1235, Panel disarm, report of duress alarm

Menu Operation		
Enter Programming	[Program Password][]	Program Password Factory Default: 888888
Exit Programming		Under Programming Status
WIFI Configuration	[Programming Password][5][]	WIFI Smart Connection
WIFI AP Connection	[Programming Password][6][]	WIFI AP Connection
WIFI Firmware Update	[Programming Password][7][]	WIFI Firmware Update
Calibrate Wireless Rssi Value	[Programming Password][3][]	Calibrate Wireless Rssi Value
Call Order		
Fast Call	[1/2/3/4](Press 3s)	Preset number in the fast call number
Call	[Number][]	Could be a mobile phone, support DTMF operation
Daily Operation Order		
Panel Reset	[User Password][8][]	User Password Factory Default: 1234 Effective under disarming status
SOS	[](Press 3s)	SOS
Panel Turn On	Press [][]3 second at the same time	Panel Turn On
Panel Turn Off	User Password][9][]	Panel Turn Off
Switch Control	[27][]	Wireless Switch Control

5.2 Daily Operation

5.2.1 Fast Calling

When user wants to arm the zones with open door, it needs to enable the force arm function. When arming compulsively, the zones with open door are disabled. Only the door is closed, the zones will work normally.

5.2.2 Calling

First Input the phone number, second press  , then wait for answering.

5.2.3 Answering

When the ring bell function(system management-system setting-ring call) set in the system setting, all the phone call to panel will be answered by the panel host.

5.2.4 Smart Socket Control

The user can manually control smart socket through the keyboard or APP software.

And can set the function of countdown switch, timing switch and alarm linkage etc.

Smart socket control and enroll operation: in standby status, enter [2][7], and enter smart socket control page. Click [2] or [8] button to select the smart socket number, press the [1] or [3] key to control and enroll smart socket, press the key to exit the control status.

Enroll press smart socket button for 3 seconds until the power indicator flash slowly, then press the [1] or [3] key to enroll Smart socket. When learn successfully , socket power indicator stop flashing.

Control operation: press [1] or [3] key to control smart socket.

- **Delete Smart Socket Enrolling:**

Press smart socket button for 3 seconds until the power indicator slowly flash and last for 3 Second, and then power indicator will flash quickly. Release the button and press again ,mean confirm to delete enrolling, and the power indicator light goes out, indicating that the enrolling delete successful.

Note: Every smart socket can enroll 4 groups of codes.

6.System Setting

6.1 Enter System Program

6.1.1 Enter Program

Only entering the system programming status, all related operation of system can be programmed. After entering, press [2] button of panel to turn over menu up; press [8] button to turn over menu down; press [4] button to turn over menu left, press [6] button to turn over menu right.

The way to enter programming: in the disarming status, first input program password of six digits (factory fault: 888888), then pressbutton.

6.2 Accessories Management

6.2.1 Enroll Remote Controller

- **Enroll Remote Controller**

The alarm system can enroll 8 remote controllers maximum. If there is a “√” mark, then it means it has already enrolled before. Users should delete it first, then the remote controller can be re-enrolled.

Figure 1: enter remoter controller enrollment

Figure 2: press [4]or[6] to choose the one you want to enroll

Figure 3: waiting for remote controller touch off

Figure 4: enrolment repeat

Figure 5: enroll remote controller successful



Figure1

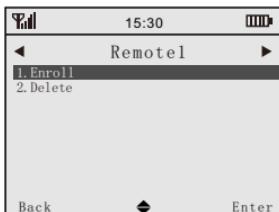


Figure2

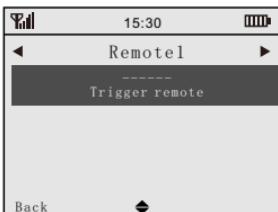


Figure3

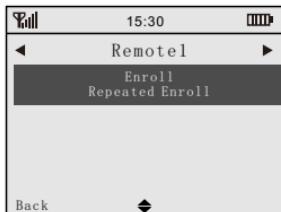


Figure4

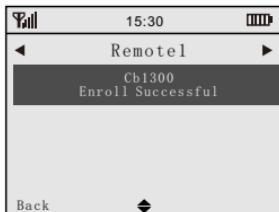


Figure5

● Delete Remote Controller

In the remote controller enroll menu, press [4] or [6] button to delete the remote controller, press [2] or [8] button choose delete menu, and then press \odot button. Now the interface will display "delete successfully", which indicate deleted successfully.

6.2.2 Enroll Detector

● Enroll Detector

The alarm system supports 32 wireless zones, 3 detectors for each zone, totally it is allowed to enroll 96 detectors. If there is a "v" mark near zones, it means it has already enrolled before, the users should re-enroll detectors.

Figure 1: enter detector enrollment menu

Figure 2: input [4] or [6] to choose the "Zone No." menu

Figure 3: input [2] or [8] to choose the "Address No.", then press \odot button.

Figure 4: wait for triggering the detector

Figure 5: enroll repeatedly

Figure 6: enroll successfully



Figure1

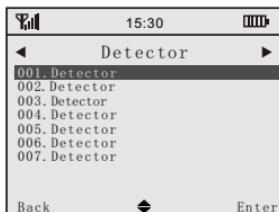


Figure2

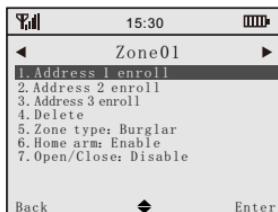


Figure3



Figure4

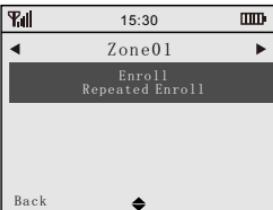


Figure5

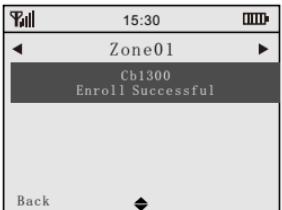


Figure6

● Delete Detector

In the detector enroll menu, press the [4] or [6] button to delete zones, press [2] or [8] button choose delete menu, and then press \odot button. Now the interface will display "delete successfully", which indicate deleted successfully.

● Set Zone Type

There are 13 zones types for optional, user can choose different zone type based on the Prevention level : disable, delay, burglar, smart perimeter, fire, gas, duress, panic, medical, doorbell, smart, arm/disarm, outing reminder.

Figure 1: enter detector

Figure 2: press [4] or [6] to choose the one you want to set

Figure 3: press [2]or[8] to choose zone type menu, and press \odot to change zone type

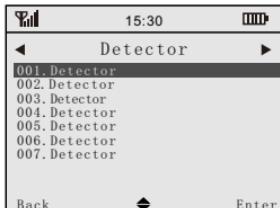


Figure1

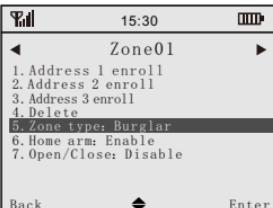


Figure2

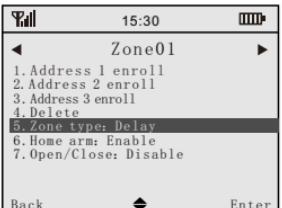


Figure3

Zone Type	Alarm Delay	Alarm Output	Arming	Disarming
Disable	x	x	x	x
Delay	v	v	v	x
Burglar	x	v	v	x
Perimeter	x	v	v	x
Fir	x	v	v	v
Gas	x	v	v	v

Duress	x	x	✓	✓
SOS	x	✓	✓	✓
Medical	x	✓	✓	✓
Doorbell Notification	x	x	x	x
Smart	x	✓	✓	x
Arm/Disarm			✓	
Outing Reminder			✓	

Note:

1. Smart zone: The host won't ring alarm at once when detector in the zone get triggered by 1 time, it will ring alarm if detector get triggered again in the same zone within 60s.

2. When set in arm/disarm zone type, from open till turn off, the panel will arm automatically; from turn off till open, the panel will disarm automatically.

● Set Home Arm Switch

It is used to set up the zones on alert under home arm status.

Figure 1: enter zone setting

Figure 2: press[4] or [6] choose zone

Figure 3: press[2] or [8] choose home arm menu, and press choose alarm type



Figure1

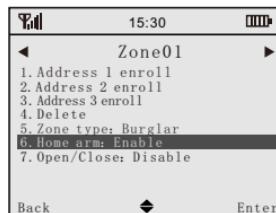


Figure2

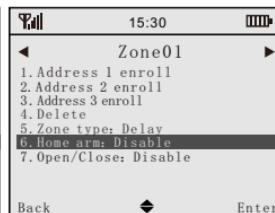


Figure3

● Set Open/close Door Function

The function is used to detect the door close or open.

Figure 1: enter zone setting

Figure 2: press[4] or [6] choose zone

Figure 3: press[2] or [8] choose open/close door menu, and press to choose

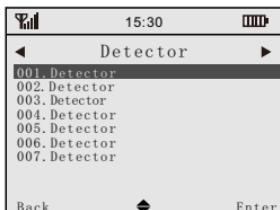


Figure1

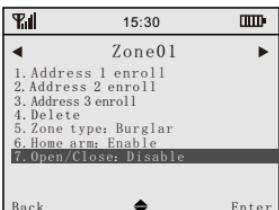


Figure2

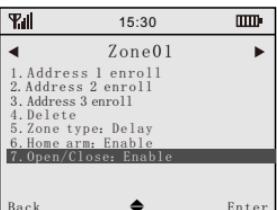


Figure3

6.2.3 Enroll Wireless Siren

- **Enroll Wireless Siren**

This alarm host can enroll one wireless siren. If there is a "√" mark at the enroll menu already, indicating that the current address has been enrolled , the user have to delete it before enrolling again.

Figure 1: enter wireless siren enrolling

Figure 2: press[2] or [8] choose enrolling menu

Figure 3: wait and press enroll key of siren to trigger

Figure 4: enroll repeatedly

Figure 5: enroll successfully



Figure1

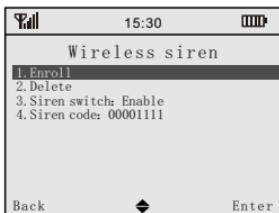


Figure2



Figure3

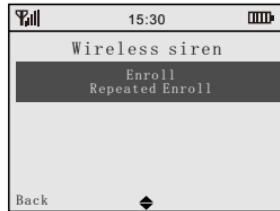


Figure4



Figure5

- **Delete Wireless Siren**

Under the wireless siren enrolling status, press [2] or [8] button choose delete menu, and then press button. Now the interface will display "delete successfully", which indicates deleted successfully.

● Set Wireless Siren Switch

Choose siren setting, press [4]or[6] to choose siren switch, press  to set.

● Set Wireless Siren Address

Wireless siren address value range: 8digits, and choose from 0-3.the address are stick on the siren cover.

Figure 1: press [2]or [8] to set siren address

Figure 2: press  to enter setting

Figure 3: after input the address, please press  to save

Figure 4: saving successfully



Figure1



Figure2



Figure3



Figure4

6.2.4 Smart Switch

● Socket Linkage -- Set the system alarm

Set when system alarm, the socket linkage output.

Figure 1: Enter Socket linkage

Figure 2: Press [4] or [6] button to choose socket

Figure 3: Press [2] or [8] button to choose System

Figure 4: Press  button to change attributes



Figure1



Figure2



Figure3



Figure3

● Set Zone Alarm

Set when the zone alarm, the linkage socket output.

Figure 1: Enter Socket Linkage

Figure 2: Press [4] or [6] button to choose socket

Figure 3: Press [2] or [8] button to choose "Zone"

Figure 4: Press ⌂ button to enter setting

Figure 5: Input zone number, press ⌂ button to preserve setting

Figure 6: Enter successfully



Figure1



Figure2



Figure3



Figure4



Figure5



Figure6

6.3 RFID Cards

6.3.1 Enroll RFID Card

● Enrolled RFID Card

The alarm system supports to enroll 16 RFID cards. If there is a "√" mark near enrollment, it means it has already enrolled before, the users can re-enroll detectors.

- **Delete RFID card**

After enter 【RFID card enroll】 menu, press 【4】 or 【6】 to choose the one you want to delete, then choose delete menu, and press  to delete.

6.3.2 RFID Card Setting

- **Set RFID Card Notification Number**

RFID Card Notification Number means when RFID card or doorbell detector is triggered, the panel will send report of alarm to users. Each number includes 20 digits maximum.

- **Delete RFID Card Notification Number**

Enter RFID Card Setting menu-- input [4] or [6] to choose “Delete”-- press button, then delete successfully.

- **Operating Authorization**

RFID card operation authorization can be choose under Arm/disarm/arm Disarm those three type. and It can set Arm/disarm/arm Disarm to panel.

6.4 Alarm Number

6.4.1 Set Alarm Number

- **Set Alarm Number**

Alarm number refers to the phone numbers to which panel host send the report of alarm when alarm happened. The alarm system can set 8 groups of alarm number. Each Group alarm number have 4 types: SMS, Dial, SMS & Dial and CID are optional. When alarm event happened, the alarm system will call users one by one, and it cannot stop until all the numbers are confirmed the alarm event.

- **Delete Alarm Number**

Enter Alarm Phone programming menu, input [4] or [6] to choose “Alarm Phone No.” menu, input [2] or [8] to choose “Delete” menu, press  button, then delete successfully.

- **Set Alarm Number Type**

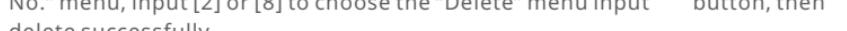
The type of alarm number refers to the way to notify the user when an alarm occurs. The types of alarm phone number: SMS, dial, SMS & dial and CID are optional.

6.4.2 Fast Call Phone

- **Fast Call Phone**

It is used to make a fast phone call just inputting 1/2/3/4 to dial the 1/2/3/4 group number stored in the fast call numbers.

- **Delete Fast Call Phone**

Enter Fast Call Phone programming menu, input [4] or [6] to choose "Call Phone No." menu, input [2] or [8] to choose the "Delete" menu input  button, then delete successfully.

6.4.3 Information Report

The users can choose push arm/disarm information and system information by SMS to APP or CID Center.

Note: When the arm/disarm information and system information type is set to CID or SMS & CID, the "CID account" should be set in the "alarm report".

- **Arm/disarm Information Report**

Turn on the Arm/disarm Information report, when arm and disarm can inform the user or alarm center. Arm/disarm information reports can be selected from four types: Disable, SMS, CID, SMS and CID.

Set the arm and disarm info report: Enter "information report", choose "arm and disarm info" menu, press  button to modify the status.

- **System Information Report**

Turn on the system information report. When the system information is reported, the user or the alarm center can be notified of the information. The system information report can be selected from three types: off, sms ,contact center, sms and contact center.

The system information report includes: host AC power failure and AC power failure recovery information, host battery low power failure and battery low power failure recovery information.

- **CID Account**

CID Account refers to an identification when alarm system connects with alarm center. If users want to connect with alarm center, it is a must to set CID account.

6.5 Arming/Disarming Timer

6.5.1 Set Arm/Disarm Switch

Used to open/close the arm/disarm switch.

6.5.2 Set Arming Type

Used to set the arming type, Types are home arm and away arm for optional.

6.5.3 Set Arming Time

Arming Timer is used to set a timed arming.

6.5.4 Set Disarming Time

Disarming Timer is used to set a timed disarming.

6.5.5 Set Week List

Week List Setting is to set a timed arming/disarming operation from Monday to Sunday. Week list values range: choose a combination of 1-7, 1-7 representing Monday to Sunday.

6.6 Time Setting

6.6.1 Date

It is used to set panel date.

6.6.2 Time

It is used to set panel time. The time setting step is similar to the date setting step, which can be set according to the above steps.

6.7 System Setting

6.7.1 Delay Time And Dial Times

- **Set Arming Delay Time**

Arming delay time refers to time between arming and alarming.
The time range of arming delay: 0 – 255s.

- **Set Alarming Delay Time**

Alarming delay time refers to time range from the detector triggered to panel alarming. The time range of alarming delay: 0 – 255s. The alarming delay setting step is similar to the arming delay setting step, which can be set by referring to the above steps.

- **Set Dial Times**

Dial times means that the re-dial times when panel send report of alarm to users. The times range of dial times: 0-15. The dial setting step is similar to the arming delay setting step, which can be set by referring to the above steps.

6.7.2 Siren Setting

- **Set siren Volume**

The Volume of build-in siren can be chosen, three levels for choosing: Mute, low and high.

- **Set Arm/Disarm Siren Prompt**

It is optional when arm/disarm external siren and wireless siren prompt, arm prompt 1 sound, disarm prompt 2 sound.

- **Set Siren Output Time**

The siren output time is 0-255 minutes.

6.7.3 Password Setting

- **Set Program Password**

Program Password refers to password of entering programming and its fixed 6 digits.(Factory Default:888888)

- **Set User Password**

User Password is used to entering a arming/disarming/resetting operation and its fixed 4 digits.(Factory Default:1234)

- **Set Duress Password**

Duress Password is used to disarm the panel when duress happened, at the same time, the panel will send the report of alarm to other users and CID and its fixed 4 digits .(Factory Default:1235)

6.7.4 Sound Setting

- **Operation Prompt**

When operating the host through the host keypad and mobile phone APP, the host has three types of mute, key tone prompt and voice for operation prompts.

- **Prompt Tone Volume**

The volume range of the key tone and voice is 0-14, and the volume gradually increases with the increase of the value.

6.7.5 Display Setting

- **Set Backlight Time**

Backlight time refers to the time when the LCD screen continues to be on when the panel is not operation and alarming. The backlight time is set to range from 0 - 255 seconds, where 0 seconds means the screen is continuously bright.

6.7.6 Network Setting

- **Dual Network Backup**

Choose network backup enable indicate WIFI and GSM notify alarm at the same time, if choose network backup disable indicate when WIFI fault, system auto change to GSM notify the alarm.

- **Set Mobile Network**

Used to set Mobile network enable/disable.

- **Set WIFI Network**

Used to set the WIFI network enable/disable.

- **GSM Fault Detection Switch**

Set whether the host is enabled with GSM fault detection.

If the GSM fault detection function is enabled, when the host is not inserted with SIM card or the GSM module fails to start, the host will produce GSM fault.

- **GSM Signal Detection Switch**

Used to set the switch of GSM signal detection on or off.

- **GSM Signal Detection Switch**

Used to set the switch of GSM signal detection on or off.

6.7.7 Wireless Interference Setting

- **Wireless Interference Switch**

Used to turn on or off wireless interference detection.

- **Set Detection Time**

Set the wireless interference detection time.

6.7.8 System Switch

- **Force Arm**

When user wants to arm the zones with fault or door open, it needs to enable this option.

Note: When operating force arm, the zones with fault or door open are disabled until the zones are restored to normal status.

- **Set Door Open/Close Switch**

When enabled, all door magnets set to open/close zone type must be restored to closed or normal.

- **Set Force Ring Call**

It is used to set two-communication open or not.

6.7.9 Test Time

- **Test Interval**

Set the timing test period from 0 to 31 days.

To ensure that the system works reliably, users need to test the system regularly, at least once a month. If any problem is found during the test, please consult relevant personnel immediately.

- **Test Time**

Set the timing of the test.

6.7.10 Set System Language

The alarm system support Chinese, English and Germany etc..

6.7.11 Restore Factory Default

- **Restore Parts**

Except for accessory Settings, other Settings can not be restored.

- **Restore All**

All the parameters are set to restore factory default.

Factory Setting:

Arm/disarm information push: close

System information push: SMS

CID account: 0000

The time of Arm delay: 0s

The time of alarm delay: 15s

The dial times of phone: 5 times

The volume of siren: High

The siren output time: 3 minutes

Programming password:888888

User password:1234

Duress password:1235

6.7.12 Region

Choosing server regions: Automatic, China mainland, European.

6.8 History Recordings

The system can store 250 historical alarm records, the latest alarm is the first one, when more than 250 alarm records, the first record will be automatically deleted.

6.9 View System Information

Note: in the version information page, click confirm button again to view the QR code (ID, IMEI, MAC, password).

7.SMS Query & Setting

7.1 Introduction

7.1.1 Enter Program

SMS Query is user send SMS to the panel host, host will send prompt or template setting to the user when receive the query. The user can fill in the data according to the module requirements and reply to the host to set it successfully. The user also can edit the SMS directly according to the format of the template and send it to the host for setting operation.

Before all SMS content need to add programming password, programming password factory default is 888888.

Notice:

1. In order to benefit users, the panel programming content has recovered factory default which meets most of customers usage needs.
2. Please use the English input method punctuation when inputting punctuation.
3. During setting the message, it includes some help contents and parameter ranges. Please modify them with the strict message format and ranges and not add any unnecessary character and blank space. Please not add or delete line breaks in message and not exceed the limited input digits.
4. if the message users sent is not fitted for the panel's format or range, the panel will reply "setting failure, wrong input order format or informal characters" to users.

7.2 Change Language

Project	User SMS	Panel SMS Response
English	Program Password,0086	Set English successfully!
Germany	Program Password,0349	Einstellung Deutsch erfolgr!

7.3 Remote Operation Format

Project	User SMS	Panel SMS Response
Away arming	Program Password,01	Away arm successfully
Home arming	Program Password,02	Home arm successfully
Disarming	Program Password,03	Disarm successfully
Monitoring	Program Password,04	
Open siren	Program Password,05	Open siren successfully
Close siren	Program Password,06	Close siren successfully
Time calibration	Program Password,07	Set Time calibration successfully xxxx-xx-xxxx:xx:xxxxxx
System query	Program Password,08	XX-XXXX:XX:XX Status: home arming/ away arming/disarming AC power: Normal/ Fault Panel battery: Normal / Low GSM signal : 0-5
Intercom	Program Password,12	

8.Answering Alarm Call & Remote Operation

When alarm happens, panel will automatically call to the preset number. When users answer alarm call, panel will send voice alarm report to users. After that, there are 5s for users to input Instruction (table 1) by phone keypad. If users have no any operations after answering, the panel will reply the voice alarm report for three times and then hang up automatically.

Instruction	Implication	Instruction	Implication
1#	Away arm	7#	Open/close monitoring
2#	Disarm	8#	Open/close Intercom
5#	Open siren	0#	Hand up
6#	Close siren		

Note:

when user opens monitoring, panel will force closing the siren automatically.
If there are no any operations within 60s, panel will hang up automatically.

9.Usage of APP Software

9.1 APP Installation

Scan the following QR code, or users can search the key word "Smart Alarm" / "Smart" / "Alarm" at "APP Store" / "Google Play" to download and install.



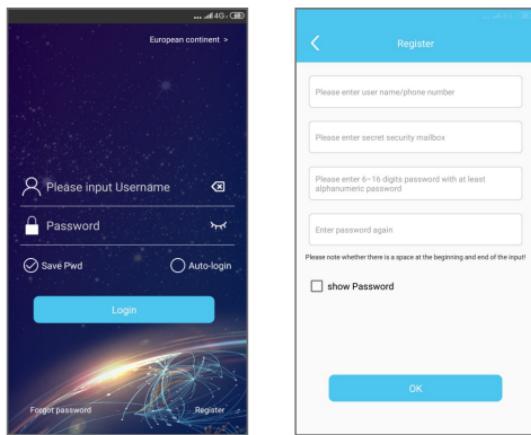
IOS



Google Play

9.2 Register Account

Enter the APP software, register one account. Registered as follow:
Click the [Register]- input register information - click [Register].



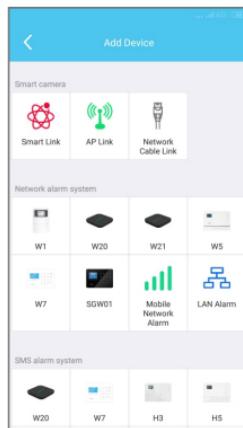
Note: Please save email address, once you forget password you can set new password via email.

9.3 Add Device

9.3.1 WiFi Network

The process of adding device helps host to get the WIFI connecting password, and add it to the device list at app.

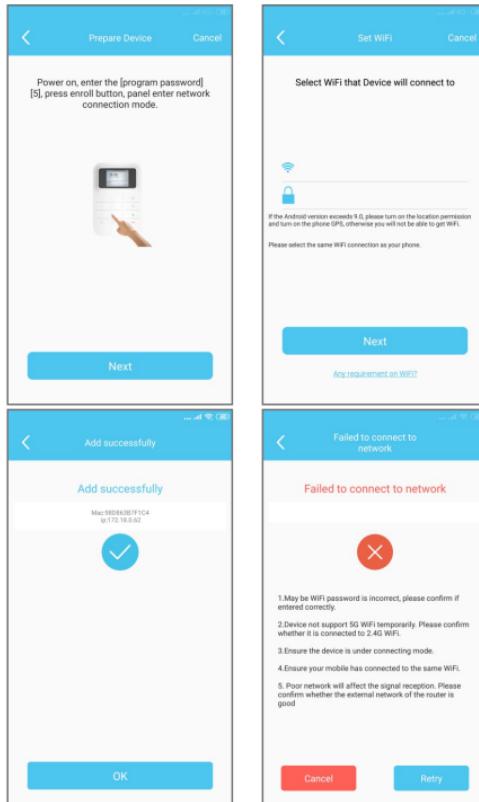
- Enter the app [Add Device] page, choose[W1 network Device], go into the connect network alarm host page.



- In standby status(disarm), input the “program password”+[5] / “program password”+[6](factory default is 888888) into the WIFI enroll status SMART LINK/AP LINK.

Note: When the WIFI module is normally initialized, the user wants to enter the WIFI enrollment mode, the host may prompt Long “Di...”. It means you can't enter the WIFI enrollment mode, just need to repeat entering WIFI enrollment mode again.

- On the connect network alarm host page, choose [next], go into WIFI input password page. After inputting the WIFI password, then choose [next], go into the connect network page. APP will start a 100s countdown for connection time, when successful, go into the successful page. When connection fails, go into the connection failure page, the user needs to click [Retry], connect again.



Note: Connect network must be processed and require the APP and host under the same WiFi environment.

9.3.2 WIFI Network /GPRS Network Switching

Through WIFI and mobile data switch Settings in the network Settings interface, WIFI network or GPRS network can be turned on or off.

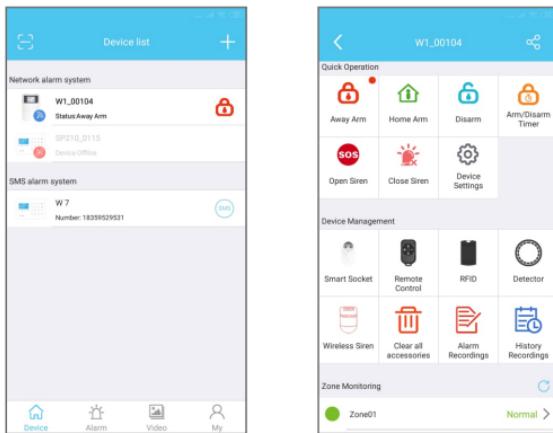


- When both WIFI and GPRS network switch on, WIFI is priority, and when WIFI is abnormal will auto change to GPRS network. During the time of WIFI abnormal, alarm host also try to connect to server, when WIFI back to work normally GPRS network will auto switching off.
- If only switch on WIFI or GPRS network, when current network is abnormal will not switch on the other network.

9.4 Device Usage

9.4.1 Device Usage

Click on the operated host under the [Device], enter device home page to arm/disarm.



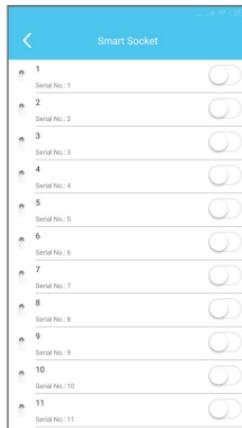
9.4.2 Smart Socket

On the main page of device, click [Accessories], enter my accessories page, select [smart socket] to enter smart socket page. Each host can learn 8 smart sockets.

- **Learn Smart Socket**

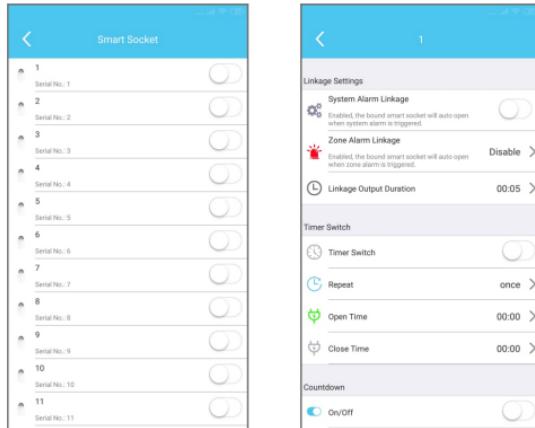
Under smart socket standby status, long press the setting button for 3 seconds until the smart socket indicate light slow flash which show enter learning state. Under the smart socket APP page, click switch button and wait the smart socket indicate light stop flash, which indicate the learning successfully.

Check the learning succeed or not: click the corresponding socket switch button on APP smart socket page. When click "on", the smart socket indicate light is long bright; when click "off", the smart socket indicate light is off.



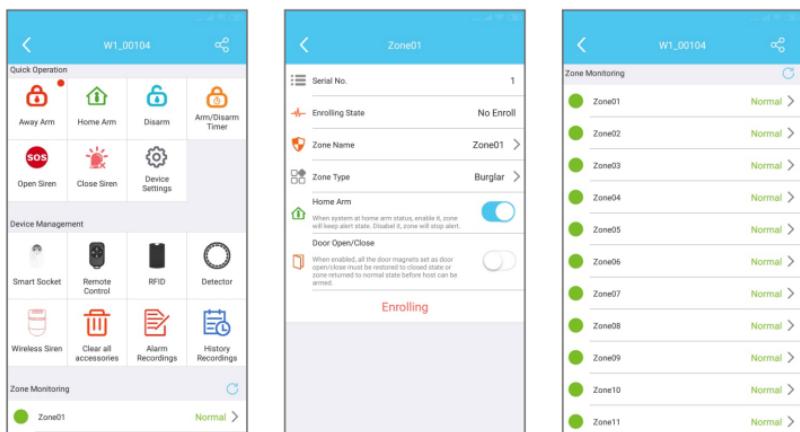
● Smart Socket Timer Setting

Click on the "smart socket", long press can change the socket name. Open smart socket timer switch can set smart socket time and date.



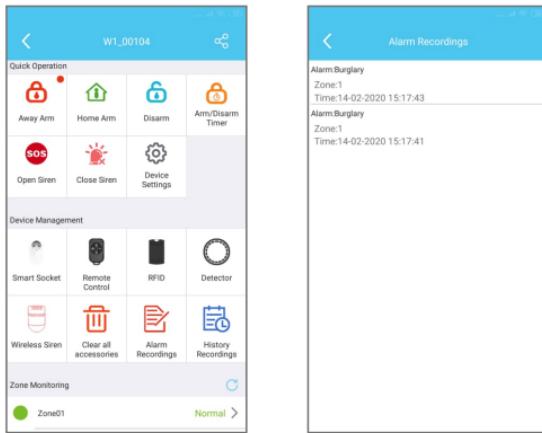
9.4.3 Zone operation setting and programming

Click on the [Zone] under the device homepage, then select the [Zone list], select any zone to change zone name and set zone type.



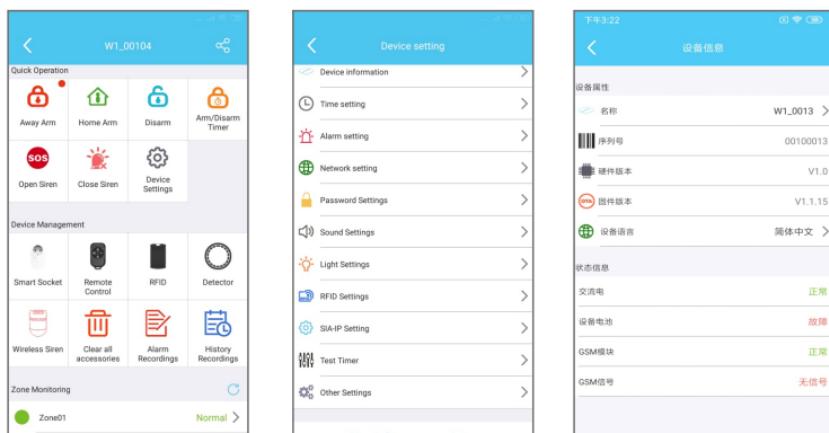
9.4.4 History Alarm Historical Record

Click on the [Alarm Recordings] under device homepage to query history alarm.



9.4.5 Device attributes operation and programming

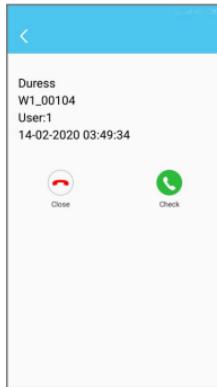
Click [Device settings] on the device homepage, then select [Device Information] to do related operation.



9.5 Push Notification

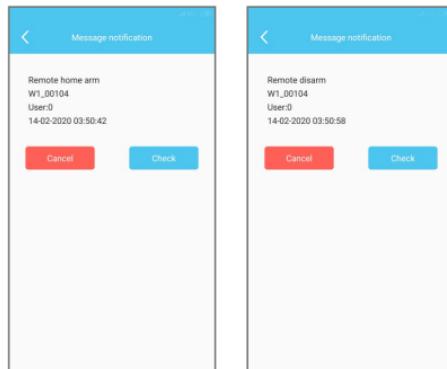
9.5.1 Alarm Notification Push

On Android app, when alarm notification push, the mobile will auto popup on the screen direct click [Live Video] into IP camera app to check the video; click [View] into my device Page. The ring time of alarm push can set at [personal]—[System setting].



9.5.2 Arm/disarm Information, System Information Push

In the Android system APP, when the alarm information is pushed, the mobile phone will automatically pop up the screen and display the accompanying alarm bell and alarm vibration. In the alarm message push interface, click [live video] directly to enter the IP Camera APP to view the video; click [view] to enter the My Device page in the APP. The alarm bell time displayed on the alarm pop-up screen is set in [System Settings] in [Personal Center].



10.Techical Parameters

Size: 180mmx120mmx17mm(length * width * thickness)

Power: AC100V-240V

Battery: 3.7V/1200mAh

Output current of wired horn: ≤ 400mA

Built-in siren: >85dB(within 1m)

GSM Working Frequency: 850MHz, 900MHz, 1800MHz, 1900MHz

GSM Emission Frequency: ≤ 2W(850/900MHz), ≤ 1W(1800/1900MHz)

Wireless working frequency: 433MHz

Working temperature: -10°C - +50°C

Relative humidity: 40~70%

11. Maintenance

11.1 Regular Test

It is suggested to test the system one time per month to make sure the normal working of the system. If there are anything wrong, please at once contact with working people.

11.2 Cleaning Panel

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

Note: Do not use anything with organic solvents to clean the panel, such as coil oil, superglue, etc., lest destroy the panel.

12.Solutions For Simple Faults

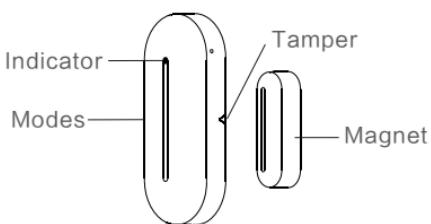
Troubles	Cause analysis	Solution
Panel cannot give a voice alarm	1.No arming 2.No alarm phone setting 3.No enrollment of wireless accessory	1.Arm 2.Reset alarm phone 3.Enroll again
Remote controller doesn't work	1.No enrollment of remote controller 2.Low battery power	1.Enroll again 2.Change the battery
Door magnetic triggered but no alarm	1.Transmitter and magnet box installation position is incorrect 2.The door sensor no enrolled in panel	1.Whether the light is bright when the magnetic separation of the door is separated 2.Re-pair code

PIR triggered but no alarm	1.The infrared detector is locked 2.The infrared detector is installed too far 3.The PIR no enrolled in panel	1 .Please check the working principle of infrared detectors 2.Adjust the position of infrared detector 3.Re-pair code
Wireless detector are often triggered wrongly	1.The installation site doesn't conform with right condition	1.Change the installation site which conforms with right condition
No any recording when alarm happens	1.no recording of alarm voice	1. record the alarm voice again
Wired siren doesn't work	1.Bad contact 2.Wrong connect with polarity	1.Contact again 2.Connect BELL to positive side, GND to negative side
Host can't connect with router	1.The router can't surf the Internet 2.Open the MAC address access restrictions 3.The router frequency is 2.4GHz or not 4.Host doesn't connect network 5.host network connection exception 6.Router use for a long time	1.Pls check the network connection status 2.Close the restriction function 3.Check the router frequency 4.connecting network configuration 5.Restart the host 6.Restart router
Not sound when alarm happen	1.The Siren volume set as silent 2.The zone type set as Duress	1.Change the siren volume 2.Change the zone type
Panel doesn't ring when user calls to panel' SIM card	1.The ring setting is off	1.Open ring setting
Can not enter programming	1 .Wrong programming password	1.Enter1122334401 Recover password

13.Wireless door sensor

13.1 Brief Introduction

With micro power consumption, high stability, long distance, battery can last long time. And have low power alert. The door sensor can be installed on door, window, and others which can open and close. When intruder enters into detecting area, it sends alarm signal to alarm console. It suits for bank, villa, home residence, factory building, market, storehouse, etc.



13.2 Features

- Design by micro power consumption.
- Low power alert by LED indicator.
- Low Power report to alarm panel.
- Auto detection of new or old battery
- Adopts SMT design to increase the stability.
- support door open/closed notification.

13.3 Technical Specification

- Power: DC 3V (2*CR2032 Battery)
- Standby Current: ≤ 3uA
- Alarming Current: ≤ 20mA
- Wireless Transmitting Range: >150M (Open ground)
- Wireless Emit Frequency: 433MHz
- Operation Temperature: -20°C~60°C
- Operation Humidity: ≤ 80%

13.4 Instructions

Power on

When the battery is powered on, the door magnet will test the loaded battery were old or new. When the battery voltage is lower than 2.4v, it represents the battery are old and the green light flashes 1 time. When the loaded battery voltage is greater than 2.4v, it represents the new battery, the red light flashes 1, then the alarm will send to the host to restore the low power status.

Working Mode

Open /Close: it will transmit signal when magnet and sensor are either separated or closed.

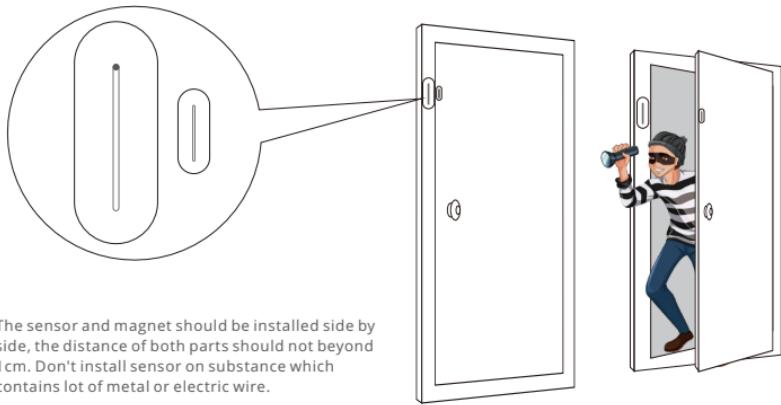
Normal : it will only transmit signal when magnet and sensor are separated.

Battery Test

In order to ensure the wireless product can work normally, the green light flickers 1 time in each 15 seconds or the host received low power report from door sensor please replace the battery in time.

13.5 Installation

- Open bottom cover of sensor, get insulated tape away, then it enters into working status.
- Install sensor on doorframe, and magnet on door or window. Keep magnet at right side of sensor, use double sided tape or screw to fix.



13.6 Attention

- The product can reduce accident, but can't prevent anything. Except using this product correctly, please don't relax your vigilance, and improve safety awareness.

14. Infrared Detector

14.1 Brief Introduction

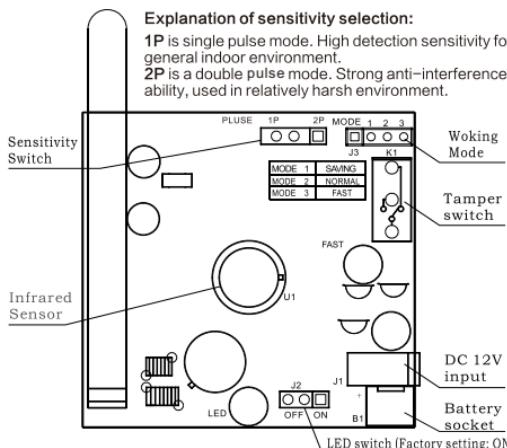
The Wireless Passive Infrared Sensor adopts advanced digital signal processing technology with automatic temperature compensation. It emits wireless digit signal to activate alarm host effectively when detecting human infrared heat energy. Low power consumption to ensure the battery lasts long time. and it ensures the system working stable and low rate of false alarm.

14.2 Products Features

- Low power consumption
- Automatic temperature compensation
- Anti-electromagnetism interference
- Low power alert, and send low power report to alarm host
- With SMT technology, high stability

14.3 Technical Specification

- Detecting Way: Dual sensor with digital signal processing technology
- Stand-by Current: $\leq 30\mu A$
- Detective Distance: 8m
- Alarm Current: $\leq 13mA$
- Detective Angle: 110°
- Emission Frequency: 433.92MHz
- Working Temperature: -10°C~40°C
- Installation Height: 2-2.5m
- Emission Distance: $\geq 450m$ (inner Antenna $\geq 300m$) in open area
- Working Voltage: DC6V(4pcs 1.5/AAA battery), or external power (adapter DC12V)
- Dimension: (L*W*H) 100*56.5*44.5mm (Note: not including length of antenna)
- Standard Packing: 1pc detector, 1pc active bracket, 2pcs screws, 2pcs screw bolt, 1user's manual



Working Mode Switch:

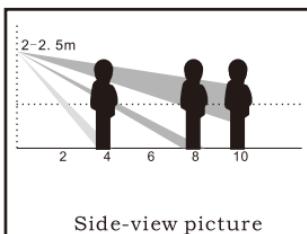
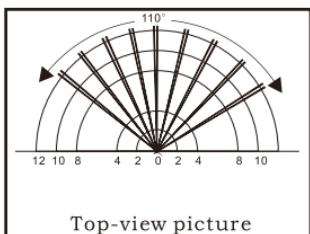
Mode1, POWER SAVING: After it sends signal, it won't send a new signal until 240 seconds. After 240s, the detector can be triggered again. The Power Saving mode is used in marketing places or office where many people work inside.

Mode2, NORMAL: After it sends signal, it won't send a new signal until 35 seconds. After 35s, the detector can be triggered again. The Normal mode is used at home or warehouse where the person's discharge is less.

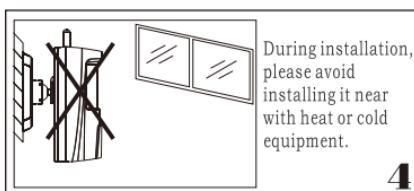
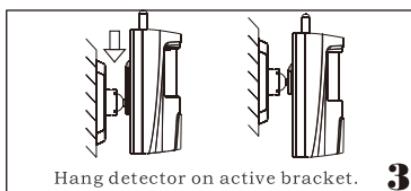
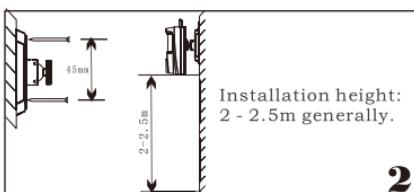
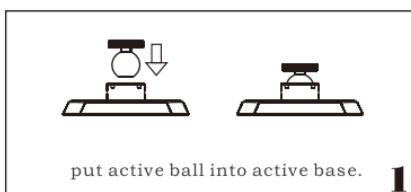
Mode3, FAST: After it sends signal, it won't send a new signal until 10 seconds. After 10s, the detector can be triggered again. This mode is for test purpose and it consumes more electricity.

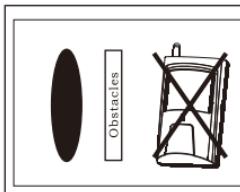
Factory setting: Model3, the Fast Working Model.

14.4 Detecting Range



14.5 Installation





Avoid obstacle in front of the detector.

5



Please be sure near place have no electromagnetism interference caused by other equipments, which will effect signal between detector and alarm host.

6

14.6 Operation

After installing batter, the detector will send report signal of power recovery. After Sending report, the detector enters into preheat and self-check status with in 60 Seconds, and the detector enters into preheat and seconds. After 60 seconds, the LED stops flashing, and enters into normal working status. Then users can go to test within its detecting area. If detecting people, the detector LED will light, and Send signal detector according to their requirements.

14.7 Battery Test And Change

The detector can check working situation of battery voltage periodically. When Finding low voltage of battery, it will send report to alarm host. Under low power, he detector can still work for some time, and LED will flash every 15s to indicate Low power and needing to change battery. During preheat and self-check time when installing battery, if battery voltage is Low, the LED will flash quickly, and detector will not work .At this time, users need to change battery.

14.8 Attention

- Please correctly use and insta11 according to the user's manua1.Don't touch surface of sensor, or itwi11 affect sensitivity. If needing clean, please power off, and then lightly wipe by soft cloth with little alcohol.
- Try to use the detector without big difference of temperature, toreduce false alarm rate.
- This product can reduce happening of accident, but not sure no risk at all. For your safe, Except of using the product, please improve vigilance, and enhance awareness of security in daily life.

/ Network Alarm Panel
User Manual V1.0