

Warning

1. This product belongs to wireless transmitting equipment, please under the approval of local Radio management departments then use it.
2. Although this system is an advanced anti-theft system, as a technical means of prevention can prevent, reduce theft, robbery, fire or other things happen, but can not guarantee no above things happen or no casualties or property damage.
3. The PIR detectors can only detector the intruder in the detecting area. The detecting area please find in the manual. It can 't detector the object motion or intruder behind the wall, on the ceiling, under the floor, behind a closed door, glass wall, glass door or glass window.
4. The sensitivity of the detector may effect by the environment and temperature. When the detecting area the temperature is in 32°C~40°C, the detect capability (detect distance) will bring down. The users have to check the detectors' working performance in this kind of temperature and adjust it suitable.
5. This product is an advance wireless warning device but just like other electronic products, it may have false sometime. Please test the system punctual to make sure it work stably and reliably. If there is any unusual please contact the local supplier in time.

Wireless Alarm System

User Manual

Contents

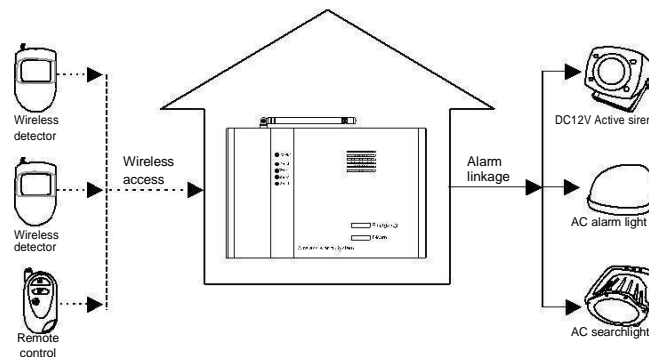
1: Product overview	(1)
1.1 Brief introduction	(1)
1.2 System working diagram	(1)
1.3 Control panel description	(2)
1.4 Detector description	(2)
1.5 Remote control description	(4)
2: System installation and debug	(4)
2.1 System installation, debug and precautions	(4)
2.2 Safety requirements of PIR detectors	(4)
3: Structural diagram description	(5)
3.1 Coding status LED description	(5)
3.2 Add/delete of the remote control	(5)
3.3 Add/delete of the detector	(6)
3.4 Recover factory default setting	(7)
4: Main technical parameter	(7)
4.1 Control panel parameter	(7)
4.2 Detector parameter	(8)
5: Standard package	(9)

1: Product overview

1.1 Brief introduction

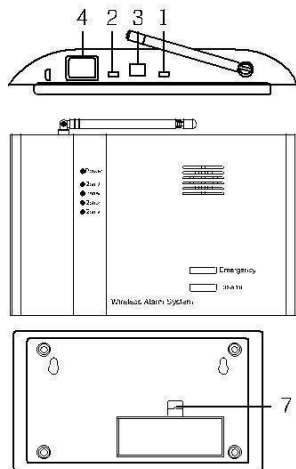
- Detectors, remote controls and host are using learning code.
- Add Remote control to arm/disarm and emergency alarm.
- 20s arm delay when turn on, alarm information memory function.
- Anti- tamper alarm and low battery prompt.
- High/low warning sound optional and the warning sound will automatically stop after 5minutes.
- DC 12V alarm output interface which can be used with external equipments.
- AC 220V output socket which can be used in lighting or connect warning lights. (Maximum 440W)
- Detectors and panel distance up to 300~1000M.
- Use AA Battery as back up battery, when the DC power if off, the systems can work normally.

1.2 System working diagram



1.3 Control panel description

- 1. Volume level:** High level, alarm volume more than 90dB; Low level, alarm volume more than 80dB; Default level is high level
- 2. Power switch:** 'ON' for power on, 'OFF' for power off
- 3. DC output port:** DC12V linked external power output port when alarming
- 4. AC output port:** AC220V linked external power output port when alarming(Attention: when connect or disconnect this port, please make sure to



shut off the panel power and no naked wire in case of electronic shock)

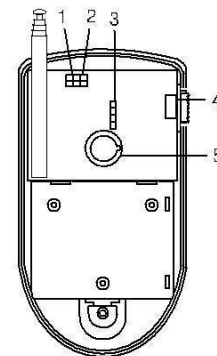
- 5. Disarm button:** Alarm stop when press this button.
- 6. Emergency button:** Immediately alarming when press this button
- 7. Tamper switch:** Alarming immediately once panel

1.4 Detector description

Mode option: Detector have two kinds of working pattern, Power saving mode and Standard mode. As shown in picture, Insulation cap plugged in number 1, mode is power saving; Plugged in number 2, mode is standard. Mode change must be reenergized(Remove the battery, reload after 30 seconds)

A. Power-saving pattern features:

Continuous body movement won't effect the alarm after detectors triggered and alarmed to control panel. If the detector first triggered and no body movement detected over 10 seconds, alarm signal would be sent again to control panel. In the power






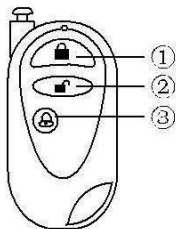
B. Standard pattern features:

Detector first triggered and alarming up to 5 minutes, and detector won't detect any infrared movement during this 5 minutes. Detector will send alarm signal to control panel again if triggered after 5 minutes or more. The factory default mode is standard mode.

- 1. Pulse option:** Insulation cap inserted in number one, it's double pulse mode, infrared sensitivity is low; Insulation cap plugged in number two, it's single pulse, infrared sensitivity is high. Factory default mode is single pulse.
- 2. Sensitivity level option:** Detector have 3 levels for sensitivity, H/M/L levels. 8-12m detecting range for 'H' level, 6-8m 'M' level, 4-6m for 'L' level. Factory default level is 'H' level.
- 3. Power switch:** Power switch turn to 'ON', detector works; Turn to 'OFF', detector stop working. The detector will send alarm to panel when power on or power off.
- 4. Infrared sensor:** Don't touch sensor surface with your hand. If any dirt on the surface, you can clean it with 75% alcohol cotton.

1.5 Remote control description

1.  Arm: System start to arm when press this button
2.  Disarm: System disarm when press this button
3.  Emergency: System immediately alarming when press this button



2: System installation and debug

2.1 Control panel installation

1. The panel should be installed in a hidden place but be attention the loudspeaker don't have any cover to make sure the alarm volume is normal.
2. The receiving host is not explosion-proof type, so it can't be used in I, II, III level dangerous places, which have certain concentration of flammable gas, dust and fiber. Otherwise, danger will possibly take place.
3. Don't put the receiving host close to strong electromagnetic radiation equipments, such as TV set, air-conditioner, computer, microwave and so on, so as not to affect the antenna reception.

2.2 PIR detector installation

1. When human beings move horizontally, the sensitivity of the detector is high, when move vertically, the sensitivity is low. In this way, please installed the detector in suitable place.
2. Be attention to the high angle of the detector and the horizontal plane, it will have huge influence to the alarming area. Best detector installation height is 2 meters, angle with wall is 0~15°
3. Do not put detector under direct sunshine, car head lights, etc. Avoid to face the door and windows directly.

3: Structural diagram description

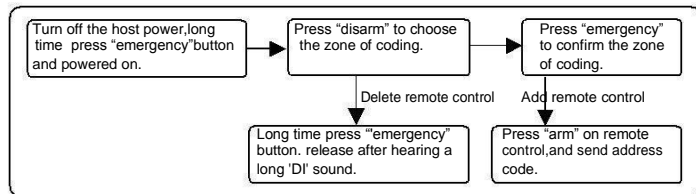
3.1 Coding status LED description

1. When coding, the green light off, the zone light on zone 1
2. When coding success, the zone light stop flashing and you will hear a short "DI" sound
3. When coding failed (repeat code or restriction code), the zone light stop flashing and you will hear a long "DI" sound

3.2 Add/Delete remote control

Coding operate(Add remote control)

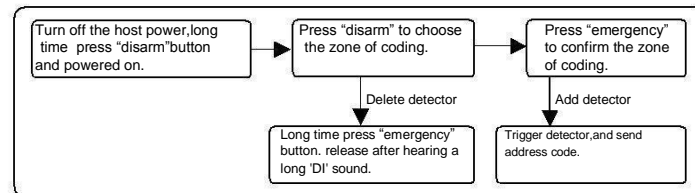
1. Long time Press "emergency" button on the panel and power on at the same time, you will hear a short "DI" sound then release the "emergency" button, the "ZONE 1" LED on.
 2. Press "disarm" button to choose defense zone from zone 1 to zone 4, then press "emergency" button to confirm defense zone, zone led flash and press any key on the remote controller to trigger for programming
 3. After hear a short 'DI' sound, zone led stop flashing, remote controller adding finished. If you hear a long 'DI' sound, it means repeat code or restriction code.
 4. Repeat step 2, 3 to continue coding, or power off to quit.
- Remarks: In same defense zone, if this zone already added 1 remote control. The first one will be deleted when added a new remote control When enter into coding status, press 'disarm' button and confirm the defense zone, long time press 'emergency' button. After hearing a long 'DI' sound, remote control deleted

Remote control add/delete instructions:**3.3 Add/delete detector****Add detector:**

1. Long time press 'disarm' button on control panel and power on at the same time. You will hear a short "DI" sound then release the "disarm" button, the "ZONE 1" LED on.
2. Press 'disarm' button again, then choose defense zone from zone 1 to zone 4, Press 'emergency' button to confirm defense zone, zone led flash and detector triggered for programming
3. After hear a short 'DI' sound, zone led stop flashing, detector adding finished. If you hear a long 'DI' sound, it means repeat code or restriction code.
4. After detector finish adding, you can press 'emergency' button to add the next detector in this zone. Press 'disarm' button to choose defense zone again. Or power off to quit.

Remarks: In same defense zone, if this zone already added 3 detectors, the first detector will be deleted when the 4th detector added

Delete detector: When enter into coding status, press 'disarm' button and confirm the defense zone of the detector you want to delete, long time press 'emergency' button. After hear a long 'DI' sound, detector deleted

Detector add/delete instructions:**3.4 Recover factory default setting**

Press 'emergency' and 'disarm' button and power on at the same time. After hear a long 'di' sound, release the buttons and defense zone led start flashing. Long time press 'emergency' button, release after hear a long 'di' sound, all LED on, factory default down. Power off and reopen the panel. (When factory default, all the detectors, remote controls are deleted)

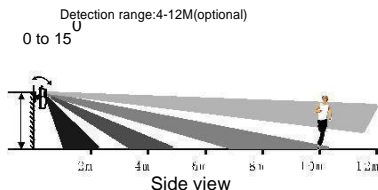
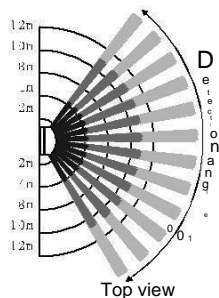
4: Main technical parameter**4.1 Control panel parameter**

1. Working voltage: AC220V±15%;DC12V (8pcs of AA battery)
2. Operation current: Static≤15mA; Alarm≤180mA
3. AC output: AC 220V 2A (440W)
4. Alarm time: 300 seconds
5. Receiving frequency: 315MHz
6. Wireless receiving distance: 100-500m (in the open land)
7. Dimension: 212*150*40mm (including antenna)

8. Alarm output: DC 12V
9. Alarm output: AC 220V (only some models)

4.2 Detector parameter

1. Using dual infrared sensor, high sensitivity.
2. Micro-power consumption, Static Current $\leq 50\mu A$.
3. 3 grades for sensitivity adjustable.
4. Monopulse and dipulse optional.
5. Anti-white intensity $\geq 10000\text{LUX}$.
6. Using SAW steady frequency wireless transmitting circuit
7. MCU intelligent digital processing. 8. Anti-electromagnetic interference, low false alarm. 9. Automatic temperature compensation 10. Standard mode and intelligent cost-saving mode optional



5: Standard package

Item	Description
Wireless alarm control, system	1*Control panel, 2*PIR detector, 2*remote-control, system User manual, accessories