7.Technical parameters

7.1. Alarm host

Size: 141mm×140mm×25mm（L×W×H）

Power: AC100V~240V

Battery: 3.7V/800mAh

Built-in siren: >80dB(within 1M)

GSM Working Frequency：850MHz，900MHz，1800MHz，1900MHz (W20)

GSM Emitting Frequency：≤2W(850/900MHz)，≤1W(1800/1900MHz) (W20)

WIFI standard: 802.11 b/g/n

WIFI frequency: 2.4G

WIFI encryption mechanism: WEP/WAP-PSK/WPA2-PSK

Networking protocol: IPv4,TCP/UDP/HTTP

Wireless working frequency: 433MHz

Wireless distance:

Between wireless PIR detector and alarm panel: ≥400m (in the open area)

Between wireless door sensor and alarm panel: ≥200m (in the open area)

Between wireless remote controller and alarm panel: ≥100m (in the open area)

Between wireless siren and alarm panel: ≥300m(in the open area)

Working temperature： -10℃ - +50℃   humidity： 40 ～ 70%

7.2. Remote controller

Power: Battery CR2016 2pcs

Standby current: ≤1uA

Transmitting power: ≤10mW

Transmitting frequency: 433MHz

8.Maintenance

8.1. Test timer

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

8.2. Cleaning panel

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

Do not use anything with organic solvents to clean the panel, such as coil oil, superglue, etc, lest should destroy the panel.
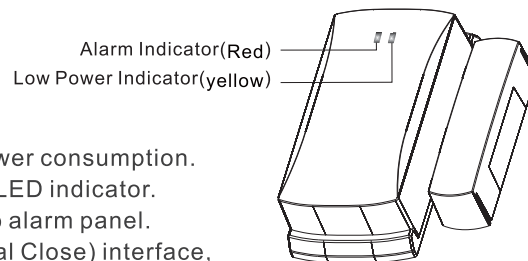
9.Solutions for Simple faults

Troubles	Reason Analysis	Solution
Host can't alarm by phone	1.no arm 2.no set alarm phone 3.wireless accessory has not yet been enrolled	1.arm 2.reset alarm phone 3.enroll l again
Remote controller doesn't work	1. remote controller has not yet been enrolled 2.low power	1.enroll again 2.change the battery
Door sensor doesn't work	1.Installation site of Emitter and magnet is wrong 2.Door sensor has not yet been enrolled	1.when door sensor separate the light is on 2.enroll again
PIR detector doesn't work	1.PIR in lock status 2.The distance of PIR is too long 3.The PIR has not yet been enrolled	1.Learning the PIR work principle 2.Adjust PIR position 3.enroll again
Wireless detectors are often triggered wrongly	installation site doesn't conform with right condition	change the installation site
One long "Di"/15s	1.low battery power of wireless detector 2.Invalid SIM card (W20)	1.change the battery of detector 2.Insert valid SIM card (W20)
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
Make a phone call to the host can't connection	Host the phone ringing times is set to zero	The phone ringing times set to a non-zero value
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

10. Wireless door sensor

1. Instruction

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. The wireless transmitting distance can reach 400 meters in open area. It suits for bank, villa, home residence, factory building, market, storehouse, etc.

Alarm Indicator(Red)
Low Power Indicator(yellow)

2. Features
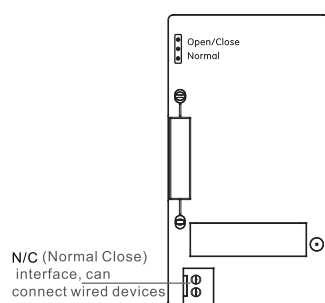
⊙Design by micro power consumption.
⊙Low power alert by LED indicator.
⊙Low Power report to alarm panel.
⊙Support N/C (Normal Close) interface, can connect wired devices.(Optional)
⊙Battery capacity inspection. When voltage of battery<2.4V, the door magnet stop working. And the yellow light will be on.
⊙Adopts SMT design to increase the stability.
⊙support door open/closed notification.

3. Technical Specification

⊙Power: DC 3V (2 pcs 1.5V/AAA Battery)
⊙Standby Current: ≤3uA
⊙Alarming Current: ≤8mA
⊙Wireless Distance (with antenna): ≥400m
  Wireless distance (inner Antenna): ≥200
⊙Wireless Emit Frequency: 433MHz.
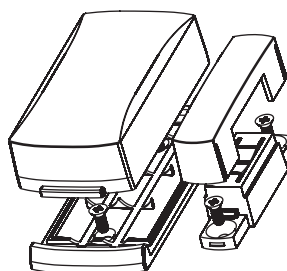⊙Operation Temperature: -20℃~60℃

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⊙ Operation Humidity: ≤ 80%

⊙ Sensor Dimension(L*W*H): 79*37*20.5mm

⊙ Magnet Dimension(L*W*H): 56*14*15.5mm

Electric Circuit Sketch: Assemble Sketch:

Open/Close
Normal

N/C (Normal Close) interface, can connect wired devices
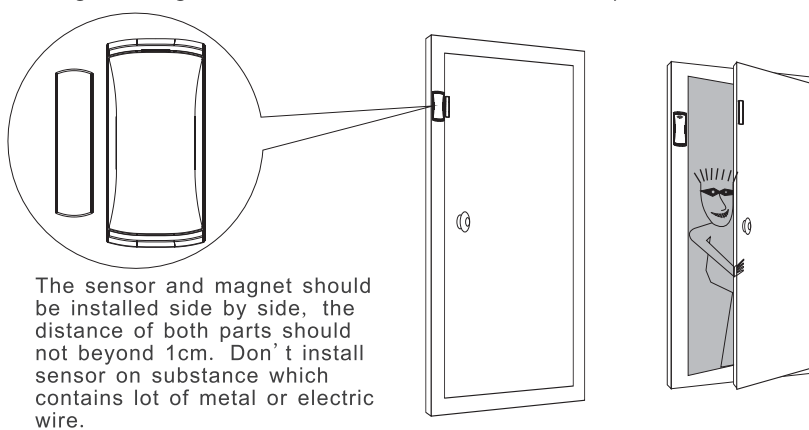
Open /Close: it will transmit signal when magnet and sensor are either separated or closed.
Normal: it will only transmit signal when magnet and sensor are separated.

4. 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.

The sensor and magnet should be installed side by side, the distance of both parts should not beyond 1cm. Don't install sensor on substance which contains lot of metal or electric wire.

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5. Note:

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

⊙When received Low Power Alert from sensor or panel, please change battery without delay to insure the alarm system working

11.Infrared detector
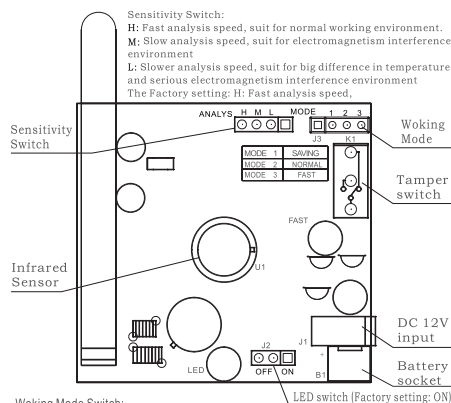
Brief Introduction

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 consamption to ensoure the battery lasts long time.and it ensures the system working stable and low rate of false alarm.

Products Features

⊙Low power consumption
⊙Automatic temperature compensation
⊙anti-electromagnetism interference
⊙anti-white light
⊙Low power alert, and send low powr report to alarm host
⊙With SMT technology, high stability
⊙Fashion appearance, easy installation
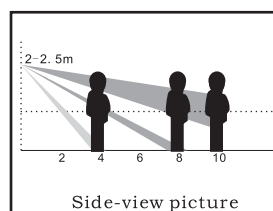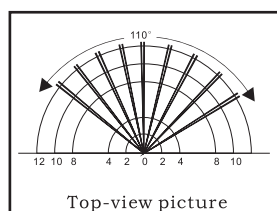
Technicial Parameter

⊙Detecting Way: Dual sensor with digital signal processing technology

⊙Stand-by current: ≤30uA

⊙Detective distance: 8m.
⊙Alarm current: ≤13mA
⊙Detective angle: 110°
⊙Emission Frequency: 433.92MHz

Sensitivity Switch:
H: Fast analysis speed, suit for normal working environment.
M: Slow analysis speed, suit for electromagnetism interference environment
L: Slower analysis speed, suit for big difference in temperature and serious electromagnetism interference environment
The Factory setting: H: Fast analysis speed,

MODE 1	SAVING	
MODE 2	NORMAL	
MODE 3	FAST	

Sensitivity Switch
Woking Mode
Tamper switch
Infrared Sensor
DC 12V input
Battery socket
LED switch (Factory setting: ON)

Woking Mode Switch:
Mode 1, POWER SAVING: After it sends signal, it won't send a new signal until 240 seconds. After 240 s, the detector can be trigged again. The Power Saving mode is used in marketing places or office where is many people working inside.
MODE 2, NORMAL: After it sends signal, it won't send a new signal until 35 seconds. After 35 s, the detector can be trigged again. The Normal mode is used at home or warehouse where the person's discharge is less
MODE 3, FAST: After it sends signal, it won't send a new signal until 10 seconds. After 10 s, the detector can be trigged again. This mode is for test purpose and it consumes more electricity.
Factory setting: Model 3, the Fast Working Model.

⊙Working temperature: -10℃ ~ 40℃(indoor use)
⊙Installation Height: 2 - 2.5m
⊙Emission Distance: ≥450m (Inner Antenna ≥300m) in open area.
⊙Working Voltage: DC6V (4pcs 1.5V/AAA battery), or external power
  (adapter DV12V).
⊙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, 1 user's manual.

Detecting Range

110°	2-2.5m
12 10 8 4 2 0 2 4 8 10	2 4 6 8 10
Top-view picture	Side-view picture

Installation

put active ball into active base. **1**	45mm 2~2.5m Installation height: 2 - 2.5m generally. **2**
Hang detector on active bracket. **3**	During installation, please avoid installing it near with heat or cold equipment. **4**
Obstacles 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**

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Operation

After installing battery, 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 LED will flash every 2 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 send signal to alarm host. Users can adjust the detecting angle of detector according to their requirements.

Battery Test and Change

1. 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, the detector can still work for some time, and LED will flash every 15s to indicate low power and needing to change battery.

2. 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.

Attention

1. Please correctly use and install according to the user's manual. Don't touch surface of sensor, or it will affect sensitivity. If needing clean, please power off, and then lightly wipe by soft cloth with little alcohol.
2. Try to use the detector without big difference of temperature, to reduce false alarm rate.
3. 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.

The limitation of this alarm system

While this system is an advanced design security system, it does not offer guarantee protection against burglar or fire or other emergency. Any alarm systems, whether commercial or residential, is subject to somewhat alarm failure or wrong alarm for variety of reasons.

For example:

1. Owing to the omission of user, the system was not armed.

2. Misunderstanding on the user's manual by the user or installer causes the abnormal working of the system.

3. Intruders may gain access through unprotected openings or have the technical sophistication to bypass an alarm sensor or disconnect an alarm warning device.
Passive Infrared Motion Detectors can only detect intrusion within the designed ranges as diagrammed in their installation manual. They do not provide volumetric area protection. They can not detect motion or intrusion that takes place behind walls, ceiling, floors, closed doors, glass partitions, glass doors, or windows.
4. Passive Infrared Detector sense changes in temperature; however, as the ambient temperature of protected area approaches the temperature range of $32℃$ to $40℃$, the detection performance will decrease.
5. It is exiting no-power or battery-aging.
6. Alarm warning devices such as sirens, bells or horns may not alert people or wake up sleeper if they are located on the other side of closed or partly open doors.
7. Telephone lines needed to transmit alarm signals from a premise to a central monitoring station may be out of service or temporarily out of service. Telephone lines are also subject to compromise by sophisticated intruders.
8. The most common cause of an alarm system not functioning when an intrusion or fire occurs is inadequate maintenance. This alarm system should be tested weekly to make sure all sensors and transmitters are working properly.
9. The wireless communication distance is the testing figure in open area. Please make sure no obstacle in the surrounding environment to guarantee the reliability of the wireless communication distance farther.
10.The weak network signal may be caused by adjusting of carrier, busy network or unavailability of SIM antenna.
11. If you disagree with the above mentioned items, please return the alarm system to our company within 3 days from purchasing. You will get a full refund if the alarm system without artificial damage. Or we will take it that you will agree with above items. Installing an alarm system may make one eligible for lower insurance rates, but an alarm system is not a substitute for insurance. Homeowners, property owners and renters should continue to act prudently themselves and continue to insure their lives and property.

WIFI BURGLAR ALARM SYSTEM

PRODUCT QUALITY GUARANTEE CARD

Model_____ Product number_____ invoice number_____ Purchase date_____

Date	Maintenance record

Notification:this product guarantee exchange within one month,and maintenace within its lifetime affer purchased
(But not include man-made damage,exchange of damaged parts maychargefees)

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Federal Communications Commission (FCC) Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generate, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is   connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

RF exposure warning

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment must not be collocated or operating in conjunction with any other antenna or transmitter.