Infrared detector

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 working stable and low rate of false alarm.

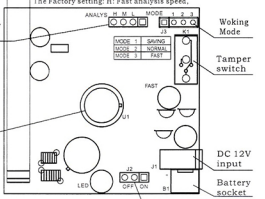
2. Products Features

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

3. **Technical Specification**

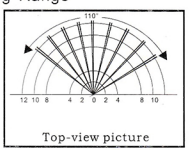
- ⊙Detecting Way: Dual sensor with digital signal Processing technology
- ⊙Stand-by Current: ≤30uA
- ⊙Detective distance: 8m.
- ⊙Alarm current: ≤13mA
- ⊙Detective angle: 110°
- ⊙Emission Frequency: 433. 92MHz
- ⊙Working temperature: -10℃~40℃
- ⊙Installation Height: 2~2. 5m
- ⊙Emission Distance: ≥450m (inner Antenna≥300m) in open area.
- ⊙Working Voltage: DC6V (4pcs 1. 5/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, 1user's manual

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.

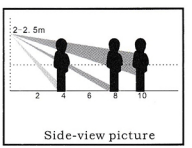


Woking Mode Switch:
Mode 1, POWER SAVING: After it sends signal, it won't send a new signal until 240 seconds. After 240 s, the detector can be trigged again. The Power Saving mode is used in marketing places or office where is many people working inside.
MODE 2, NORMAL: After it sends signal, it won't 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.

4. Detecting Range

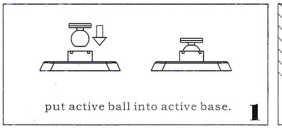


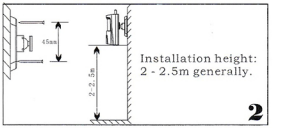
Top-view picture

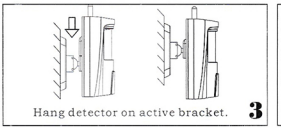


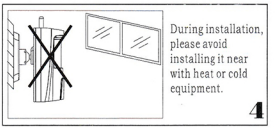
Side-view picture

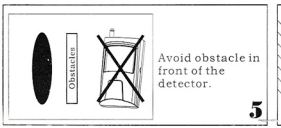
Installation

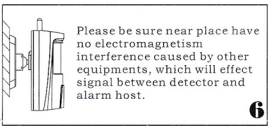












5. Operation

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.

6. Batter 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 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 c1oth 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.