

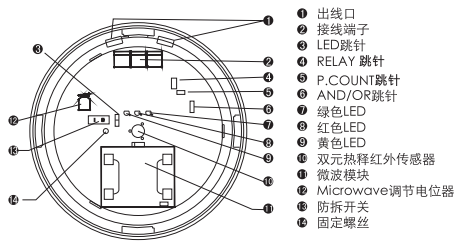
吸顶式室内三鉴入侵探测器

* 在安装使用本产品之前, 请仔细阅读本说明书之内容, 以便您能够更好地使用本产品。

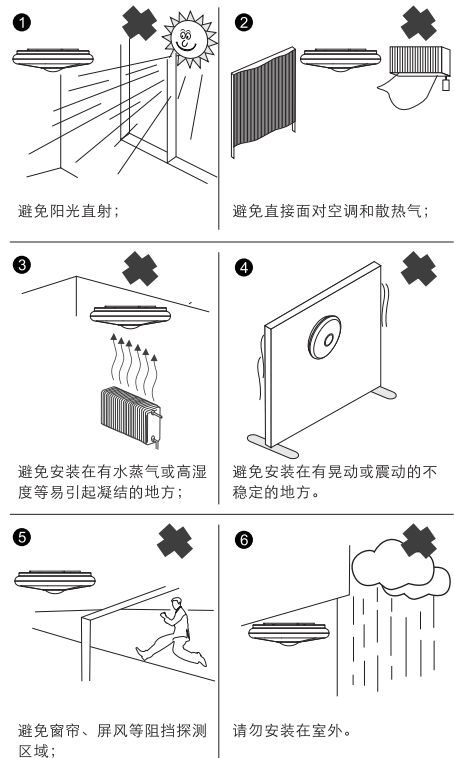
本产品为微波+被动红外+人工智能复合型三鉴室内入侵探测器, 采用了先进的信号分析技术, 可有效的防止因各种环境因素引起的误报。

本产品可应用于银行、仓库、家庭等场所的安全防范。

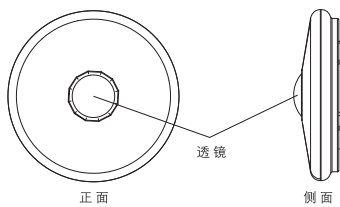
产品示意图



安装注意事项



接线示意图



产品特点

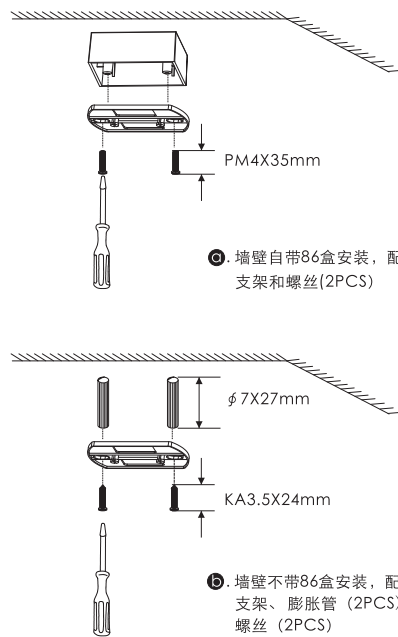
- 采用微处理器
- 自动脉冲计数
- 优美流畅的外观设计
- 采用多普勒(效应)+能量分析
- 微波采用X-Band平面式天线
- 微波探测范围可调节
- 全方位自动温度补偿, 超强抗误报能力
- 动态阈值调节技术, 有效地防止干扰
- 报警输出NC/NO可选, 脉冲计数1P/2P可选
- 报警触发方式AND/OR可选
- 抗白光专利技术, 强度高达20000Lux
- 采用人工智能技术, 能够辨别入侵者和干扰信号
- 采用SMT工艺制造以及全功能检验

技术参数

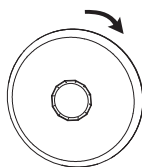
工作电压	DC12~24V
消耗电流	≤35mA
探测范围	直径8m(安装高度在3.6m时)
自检时间	≤60S
探测方式	多普勒(效应)+能量分析
红外传感器	双元低噪声热释红外传感器
微波天线种类	平面式天线附高频GaAs FET振荡器
微波频率	10.525GHz
安装方式	吸顶
安装高度	2.5-3.6m
工作温度	-10℃~50℃
LED指示	绿色: 红外被触发 黄色: 微波被触发 红色: 报警
继电器输出	常闭/常开可选, 接点容量60VDC, 400mA
防拆开关	常闭无电压输出, 接点容量28VDC, 100mA

产品的安装

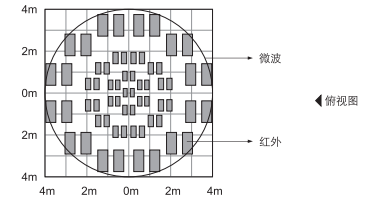
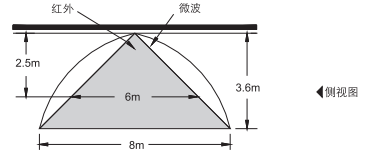
1、用螺丝将探测器支架固定在天花板合适的位置上;



2、将探测器上盖右旋转取下;



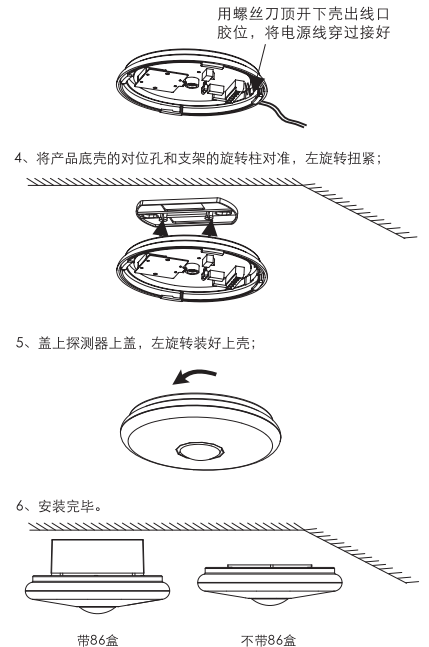
检测范围图



测试与使用

- 1、接通12V直流电源, 指示灯交替闪烁, 探测器进入自检状态, 自检时间约60秒, 指示灯停止闪烁时表示探测器进入正常监测状态。
- 2、在探测器覆盖区域内, 以正常的步行速度进行测试, 此时会有相应的指示灯亮: 绿色指示灯亮, 表示红外被触发; 黄色指示灯亮, 表示微波被触发; 红色指示灯亮, 表示红外和微波同时被触发, 探测器进入报警状态。
- 3、P.COUNT跳针(见产品示意图)用于选择脉冲计数。选择1P为一级脉冲, 适用于一般室内环境; 选择2P为二级脉冲, 适用于较恶劣室内环境。出厂设置为一级脉冲。
- 4、AND/OR跳针(见产品示意图)用于选择报警触发方式: 红外与微波、红外或微波; 选择AND为红外与微波, 选择OR为红外或微波; 出厂设置为AND。
- 5、RELAY跳针(见产品示意图)用于设置报警输出状态, 可根据不同类型主机的规格要求选择不同的输出状态, 选择N.O.为常开状态, 选择N.C.为常闭状态, 出厂设置为N.C.。
- 6、Microwave电位器(见产品示意图)用于调节微波的探测范围, 用户可根据实际需要去调整(出厂设置为最大探测范围)。
- 7、LED ON跳针(见产品示意图)用于控制LED指示灯, 不影响探测器正常工作。为了增强探测器的隐蔽性, 测试完毕后可将LED ON跳针断开。

3、按接线示意图接好线;



注意事项

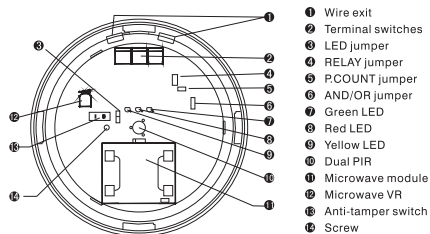
- 1、请按说明书正确地安装和使用, 不可触摸传感器表面, 以免影响探测器灵敏度, 如需清洁传感器, 请断开电源后用软布沾少许酒精擦拭。
- 2、应避免在温度变化过大的环境下使用。
- 3、本产品可以减少事故的发生, 但不能确保万无一失。为了您的安全, 除了正确使用本产品, 在日常生活中要提高警惕, 加强安全预防意识。

Triple-Tech Ceiling PIR Detector

Triple technology detector combined microwave and passive infrared with intelligence, adopting advanced signal analysis technology, can avoid various kinds of false alarms for worse environment.

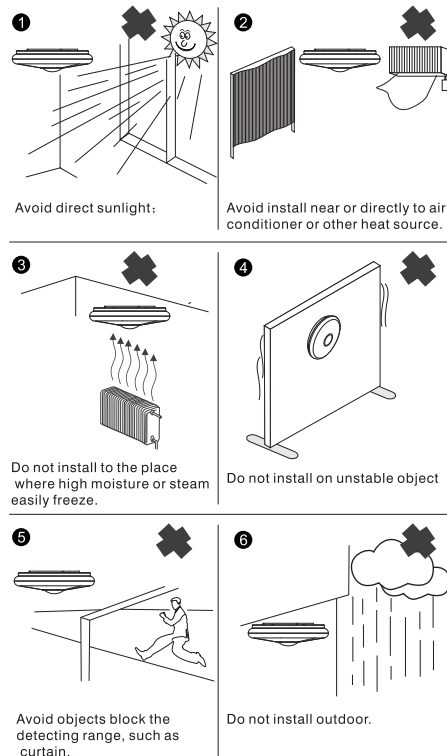
It is used in bank,warehouse,living space and other place.

GENERAL VIEW

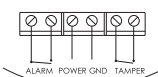


- 1 Wire exit
- 2 Terminal switches
- 3 LED jumper
- 4 RELAY jumper
- 5 P.COUNT jumper
- 6 AND/OR jumper
- 7 Green LED
- 8 Red LED
- 9 Yellow LED
- 10 Dual PIR
- 11 Microwave module
- 12 Microwave VR
- 13 Anti-tamper switch
- 14 Screw

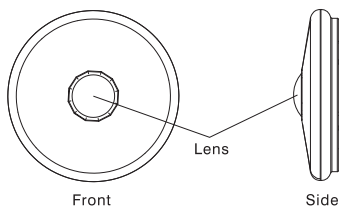
INSTALLATION NOTICE:



TERMINAL BLOCK



ALARM: RELAY OUTPUT PORT
 POWER: DC ANODE
 GND: DC CATHODE
 TAMPER: ANTI-TAMPER SWITCH OUTPUT PORT



CHARACTERISTIC

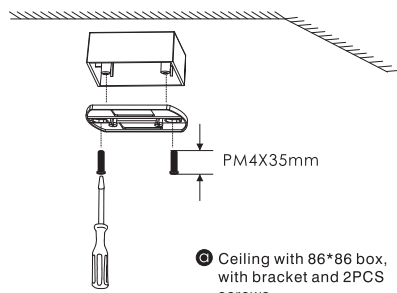
- Adopted MCU
- Automatic pulse count
- Streamline design
- Doppler + Power analysis
- X-Band plane antenna
- Microwave detecting range adjustable
- Auto temperature compensation reducing false alarm
- Valve adjustable technology with high anti-interference
- N.C./N.O. optional for alarm output, P.COUNT 1P/2P optional
- Trigger type AND/OR optional
- White light immunity up to 20000LUX
- Intelligence technology differing intruder from interference signals
- SMT technology and multi-function test.

TECH. SPECIFICATION

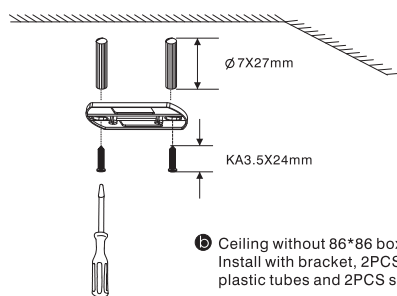
Working voltage	DC12~24V
Supply	≤35mA
Detecting range	diameter: 8m (installation height: 3.6m)
self-checking time	≤60s
Detecting mode	Dopper+Power analysis
Sensor	dual low noise PIR
Microwave antenna	plane antenna with high frequency oscillator GaAs:FET
Microwave frequency	10.525GHz
Installation method	ceiling mounted
Installation height	2.5-3.6m
Working temperature	-10℃-50℃
LED indication	Green: infrared Yellow: microwave Red: alarm
Relay output	N.C./N.O. optional, 60VDC, 400mA
Anti-tamper switch	N.C. without voltage output, 28VDC, 100mA

INSTALLATION

1. Fix the bracket with screws to appropriate place on ceiling;

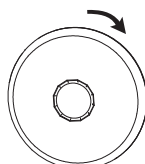


a Ceiling with 86*86 box, with bracket and 2PCS screws

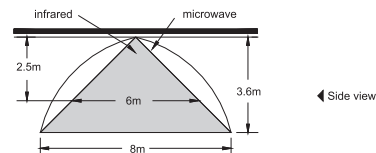


b Ceiling without 86*86 box. Install with bracket, 2PCS plastic tubes and 2PCS screws

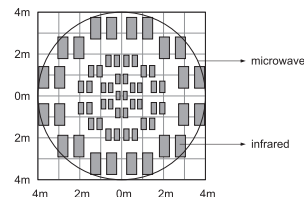
2. Rotate the front cover to the right and take it off.



DETECTING RANGE



Side view



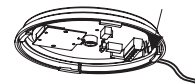
Top view

TESTING AND USAGE

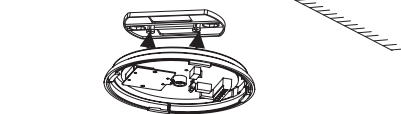
1. With 12V power supply, the detector is in self-checking and red LED flashes; The LED is off after 60 seconds and the detector is in operating state.
2. Make walk testing in detecting range, different LED flash: Green LED flashes, infrared is ON; Yellow LED flashes, microwave is ON; Red LED flashes, infrared & Microwave is ON and the detector is in alarm status.
3. P.COUNT jumper is sensitivity jumper, 1P(1&2) is high sensitivity, supplying maximal detection range, for general indoor situation; 2P(2&3) is normal sensitivity, supplying maximal anti-interference, for tough indoor situation. Factory default is 1P.
4. AND/OR jumper use for trigger type: Microwave and PIR, Microwave or PIR. Factory default is AND.
5. RELAY jumper JP2(N.C./N.O.) is output relay jumper, used to set alarm output status, choosing different output according to different types of security system. Choose N.C. for normal closed status; choose N.O. for normal open status. N.C. is factory default.
6. Microwave VR is used to adjust the detecting range of microwave according to customer's request. (the largest detection range is set in normal.)
7. LED ON jumper is used to control LED indication without interference to detector. LED ON jumper can be interrupted after testing for concealment.

3. Connect the detector as to terminal block:

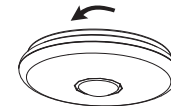
Connect the wire with a screwdriver from wire-exit on rear cover



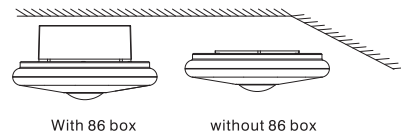
4. Align the hole on rear cover to the bracket, and rotate left;



5. Install the front cover;



6. Installation finish.



NOTE:

1. Please install and use the Detector following the Directions. Do not touch the sensor surface as this could result in a detector malfunction. If necessary, clean the sensor surface using a soft cloth with pure alcohol.
2. Avoiding to use the Products in the area with huge change of temperature.
3. This product can reduce the possibility of accident, but can not guarantee absolute safety due to some other unexpected factors. So besides Using the detector correctly, please take all necessary precautions and enhance safety consciousness in daily life.