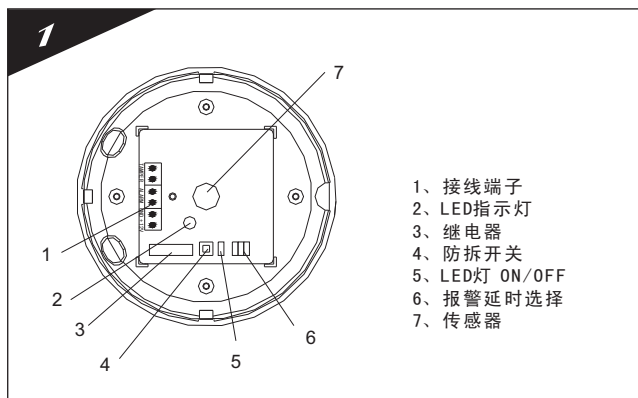


# 吸顶式双元 被动红外探测器

双元被动红外探测器根据探测人体红外光谱来工作，当人体在其接收范围内活动时，传感器接收其热源信号，经放大后输入到微处理器，微处理器不断地对红外信号进行采样，经计算后输出信号来控制探测器报警端口。该产品广泛用于银行、仓库及家庭等场所的安全防范。

## 产品示意图



## 产品特性

- 采用8-Bit低功耗CMOS微处理器
- 具有自动温度补偿功能
- 抗RFI干扰：20—1000MHz（如移动通讯）
- 三种报警延时选择

## 技术参数

工作电压	DC 9~16V
工作电流	≤20mA (DC12V)
工作温度	-10°C ~ +50°C (14°F ~ 122°F)
传感器类型	双元热释红外传感器
报警延时	30秒、10秒、5秒
安装高度	2.5~6m
安装方式	吸顶
探测范围	直径6米（安装高度在3.6米）
报警输出	常闭无电压输出，接点容量DC28V, 80mA max
防拆开关	常闭无电压输出，接点容量DC28V, 100mA max

## 安装与使用

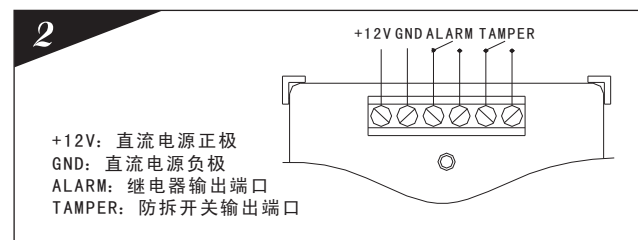
### 1、安装

- 选定合适的位置，用螺钉将安装底板固定在天花板上，再将探测器挂上；
- 建议安装高度为2.5—6米；
- 安装位置应避免靠近空调、电风扇、电冰箱、烤箱及可引起温度迅速变化的物体，同时应避免太阳光直射在探测器上；
- 探测器透镜前面避免有物体遮挡，以免影响探测效果。

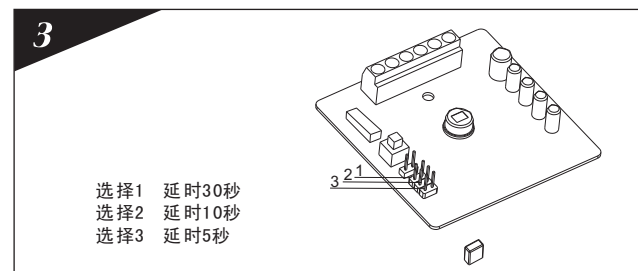
### 2、使用

- 按接线示意图接好线，然后盖上探测器盖盒；
- 接通12V直流电源，指示灯不停地闪烁，探测器进入自检状态；
- 60S后指示灯熄灭，探测器进入正常监测状态，此刻如果有人走在探测器覆盖区域内走动，LED指示灯亮，同时探测器输出联网信号；
- LED ON 跳针控制LED指示灯是否有指示，不影响探测器正常工作。

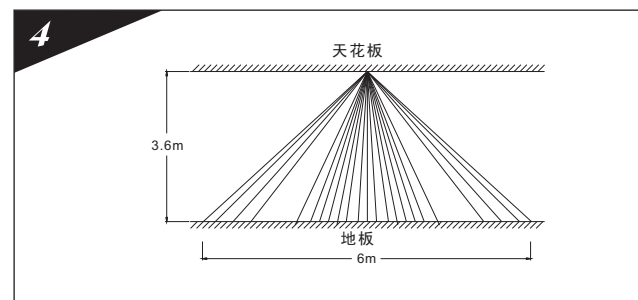
## 接线示意图



## 报警延时选择



## 检测范围图



## 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以外，在日常生活中还要提高警惕，加强安全防范意识。

# DUAL PASSIVE INFRARED DETECTOR

- 8-Bit Low-power CMOS Processing
- Auto Temperature Compensation
- RFI Protection: 20 to 1000 MHz.(e.g. Mobile Communication)
- Three Digital Pulse (1, 2 or 3) Optional For Different Alarm Duration Signal

## TECHNICAL SPECIFICATIONS

Supply voltage	DC 9~16V
Current drain	≤ 20mA (DC 12V)
Working temperature	-10°C ~+50°C (14°F~122°F)
Sensor type	Dual elements PIR
Alarm time delay	30 Sec,10 Sec,5 Sec
Installation height	2.5~6m
Installation method	Ceiling mounted
Detecting range	Diameter 6m (installation height 3.6m)
Alarm output	N.C., 28V DC, 80mA max
Anti-tamper switch	N.C., 28V DC, 100mA max

## INSTALLATION AND USAGE

### 1. Installation:

- Choosing the suitable position, setting the 86 x 86 Fixing board by screws on the ceiling, then inserting the Detector.
- The recommended installation height is 2.5m-6m.
- Avoid installing the detector close to the following sources of interference: reflective surfaces, direct air flow from vents, fans, windows, sources of steam, oil vapor, infrared light sources and objects causing temperature changes such as heaters, refrigerators and ovens.

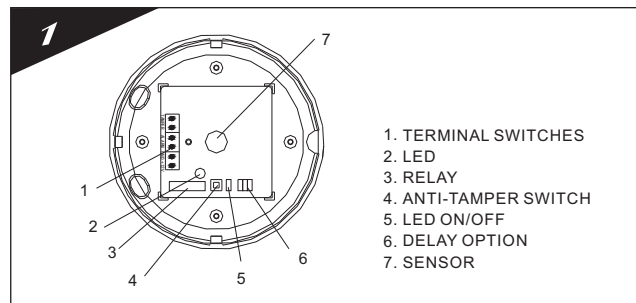
d) Avoid any object is in front of the lens of the detector.

### 2. Usage:

- Fitting the front cover onto the base after wiring according to manual;
- With 12V power supply, the detector is into self-checking after LED ON;
- Then, the detector is into operating state after the LED off in 60 seconds; if somebody is moving in the range of the detecting coverage, the LED is on and the Detector sends out the network signals.
- "LED ON" jumper controls LED operation only of no effect to the detector's operation.

The Dual Passive Infrared Detector works through detecting the human body's infrared spectrum. While receive the body heat source signal from its' movement in the detecting area, transmit to the MCU after signal enlarged, MCU sends out the signal to control the alarm port after analyzed and calculated. The Detector is widely used in banks, warehouses, houses etc.

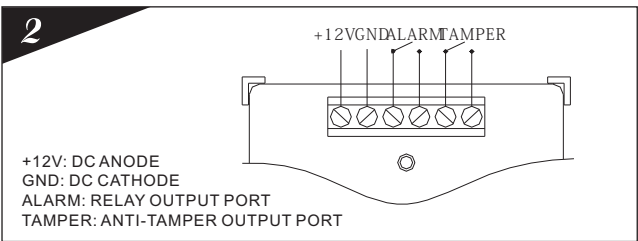
## GENERAL VIEW



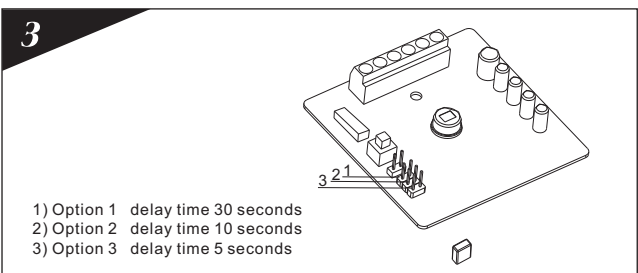
## CHARACTERISTICS

The Ceiling Mounted Dual Passive Infrared Detector includes the following unique features:

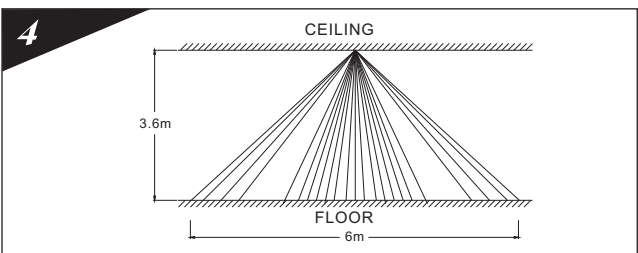
## TERMINAL BLOCK FIGURE



## DIGITAL PULSE OPTION



## TESTING RANGE FIGURE



## NOTICE

- 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.
- Avoid the Products used in the area with huge change of temperature.
- 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.