

REV.	DETAIL	NAME	DATE
A	首版发行	黄晓真	2020-8-5

S1	闭合	闭合	断开	断开
JP1	断开	闭合	断开	闭合
灵敏度	最高	高	中	低

2、在产品上，S1闭合时的灵敏度比S1断开要高一些。

售后服务保障：

本售后服务承诺条款是公司向所有产品的销售、安装和使用者的承诺。

所有产品，自出厂之日起的18个月之内除人为损坏外，我司给予免费维修或更换新品。超免费服务期限的，我司给予终身有偿售后服务。无论中间经过任何销售环节，凡我司产品均享受本条款给予的售后服务保障。任何代理商、经销商或工程商均无权拒绝提供售后服务。

为保障售后服务的及时准确，我司要求用户对所需要维修或更换的器材详细填写《维修器材清单》，并随同所需要维修或更换的器材一同返回。货品可以直接返回到我

公司、工程商、经销商或代理商。必要时用户可直接向我司投诉。

以上条款自2007年7月1日起实行，之前所发布的有关条款同时废止。

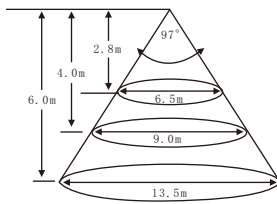


图3. 探测范围

步行测试：

给探测器通电，待稳定后开始测试（需要2分钟左右）。

在防范范围内走动，观察指示灯是否正确报警。

技术指标：

工作电压	9-16VDC	
工作电流	<42mA	<36mA
最大安装高度	6m	4m
下视角	97°	
报警触点	NC, max 100VDC/500mA, <10VA(W)	
报警时间	2.2秒	
预热时间	2分钟	
RF1特性	10V/m at 10Mhz to 1Ghz	
工作温度	0°C~55°C	
贮藏温度	-20°C~60°C	
外形尺寸	Φ130x21mm	
安装方式	吸顶	

跳线说明：

1、在产品上，S1、JP1为灵敏度调整跳线。

(如图2所示)。断开S2则报警时指示灯不亮。

2、黄色指示灯表示红外信号，绿色指示灯表示微波信号，红色指示灯表示报警。

安装步骤：

- 1、产品要求安装在被保护区的中心位置，考虑需要防范的范围后，选择合适的安装位置，不要让产品接近热源。
- 2、握住产品的底部，顺时针旋转，取下前盖。
- 3、在外壳的底部打开穿线孔，以便接入线缆。
- 4、将线接到探头主板的接线端子上：

-12V+	电源输入端	有正负极之分
ALARM	报警常闭输出	无正负极之分
TAMPER	防拆常闭输出	无正负极之分

- 5、用螺钉将探测器底壳固定在天花板上。
- 6、确认接线无误后，将主板用螺丝及固定柱固定在天花板的底壳上，再小心地盖上前盖，旋转固定。

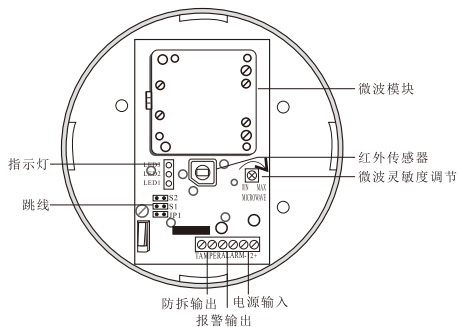


图1. 结构示意图

数字智能吸顶双鉴（微波+红外+微处理器）探测器，采用红外和微波双重探测手段，又应用了微电脑数字信号处理、特有的温度补偿和抗电磁技术，利用专业的菲涅尔光学镜片，基本上解除了误报现象。由于采用超薄外观设计，吸顶式探测器与安装的周围环境达到了和谐统一。

吸顶式双鉴探测器



主要特性：

- 双元被动红外和微波双重探测技术
- 带微处理器控制器，减少误报
- 数字温度补偿技术
- 微波范围可调
- 双极性脉冲计数可调
- 无盲区
- 低功耗
- 抗射频干扰 (10V/m at 10Mhz~1Ghz)
- 专业的菲涅尔光学透镜
- 独特的抗荧光干扰

LED指示：

- 1、跳线S2用于开启或停用报警指示灯

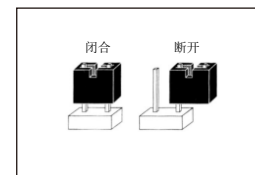


图2. 跳线位置

W.97.2364 A

要求：

1. 材质需符合RoHS环保要求。
2. 印字需清晰、无重叠、叠影及歪斜现象。
3. 来料时说明书尺寸及材质为重要检测项目。
尺寸：285mm×180mm
材质：80g书写纸，正反面单色印刷，折页。

SUNWAVE ELECTRONICS CO.,LTD

DO NOT SCALE DRAWING
UNLESS OTHERWISE SPECIFIED:
(1) ALL DIMENSIONS IN MM.
(2) RADIUS & CHAMFERS: 0.20MM
(3) DRAFT ANGLE: ±0-0.5°
(4) TOLERANCE:

XX	±1.00
XX.X	±0.30
XX.XX	±0.10
ANGULAR	0.5°

PROJECT	双鉴被动红外探测器	ANGLE OF VIEW	— ⊕ —
MODEL	RK150T	DRAWN	DATE
DESCRIPTION	中英文中性说明书	CHECKED	DATE
PART No.	W.97.2364	APPR'D	DATE
MATERIAL	见上述	SCALE	7:10 DWG. SIZE A4
FINISH	QUANTITY	UNIT	mm SHEET 1 of 2
		DWG. No.	A43607A

FM-RD-030 REV.: B

REV.	DETAIL	NAME	DATE
A	首版发行	黄晓真	2020-8-5

Alarm time	2.2S
Warm up time	2 minutes
RFI characters	10V/m at 10MHz to 1GHz
Working temperature	0°C~55°C
Storage temperature	-20°C~60°C
SIZE	Φ130x21mm
Installation	Ceiling

Jumper:

1. On the product, the jumpers S1 and JP1 are used for setting sensitivity.

S1	Closing	Closing	Opening	Opening
JP1	Opening	Closing	Opening	Closing
Sensitivity	Highest	High	Middle	Low

2. On the product, when S1 is closed, the sensitivity is higher than it's open.

WARRANTY

The following warranty is promised by to its dealers, installers and end users We offer free maintenance or replacement within 18 months after products leaves factory, but man-made damage is not

included. Beyond 18 months, lifelong charge after-service will be offered. Regardless of any selling process, this after-sale clause applies to all our products. Any agents, dealers or installers have no right to refuse to provide the after service.

In order to offer quick and correct service, detailed "Return Products List" is required to be filled in and submitted to us together with the products to be replaced or maintained, they can be returned directly to our company, our agents, our dealers or our installers. When necessary, end users can send "User Complaint Letter" to our company directly.

The above clauses go into effect from July 1st, 2007. All relative clauses before this are repealed at the same time.

-12V+	Power supply input	Distinguish negative from positive
ALARM	Alarm NC output	Poles are same
TAMPER	Tamper NC output	Poles are same

5. Fix the base cover on the ceiling with a screw driver.

6. Close the case cover by turning anti-clockwise direction after all proper connections.

Walk test:

Connect power to the detector, then start to test after it's in stable status (It takes about 2 minutes).

Walk within the detection range, observe whether the indicator light alarm correctly or not.

Specification:

Working current	9~16VDC	
Working current	<42mA	<36mA
Largest installation height	6m	4m
Under the perspective	97°	
Alarm contracts	NC, max 100VDC/500mA, <10VA(W)	

LED indicator:

Jumper S2 is used to turn on/off the alarm indicator light (Fig2). The alarm indicator light will not be "on" after opening S2.

Yellow indicator light means IR signal. Green indicator light means microwave signal. Red indicator light means alarm status.

Installation:

1. The product should be installed in the center of the protected area. Choose a suitable situation to install the detector according to the detection range, keep it away from heat sources.

2. Hold the bottom of the product, turn it in a clockwise direction to remove the front cover.

3. Open the hole in the bottom of the cover to connect cables.

4. Connect cables to the wiring terminals on the main board:

Dual Detector (Microwave + PIR+ Microprocessor) is adopted PIR and microwave technology, microprocessor design, true temperature compensation technology, EMI immunity and professional Fresnel optical lens, the problem of false or missing alarm is basically solved. Slim design is compatible with various environments.

Main features:

- Dual PIR and microwave technology
- Microprocessor design
- True temperature compensation
- Microwave range is adjustable
- Dual polarity pulse count is Adjustable
- No blind area
- Low consumption
- RFI immunity (10V/m at 10MHz~1GHz)
- Professional Fresnel optical lens
- Resist fluorescent interference

Dual technology Ceiling detector

Fig.3 Detection coverage

Fig.1 PCB

Fig.2 Jumper position

W.97.2364 A

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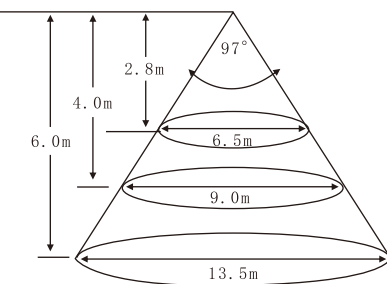


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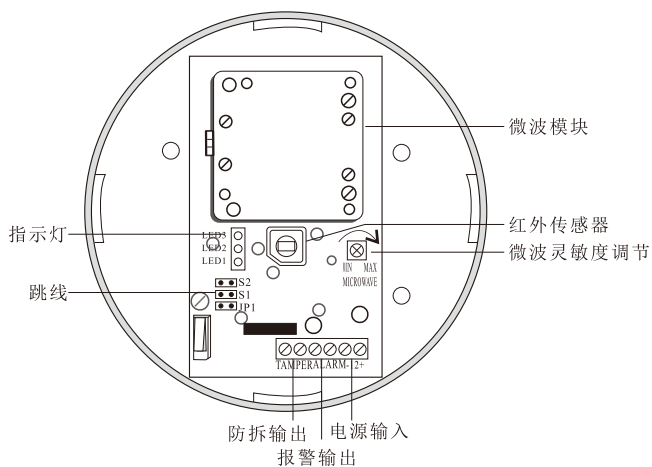


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LED指示:

1、跳线S2用于开启或停用报警指示灯

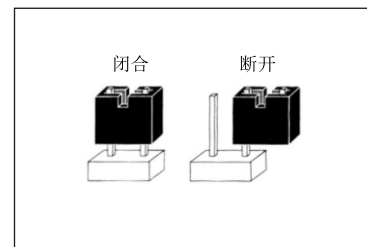


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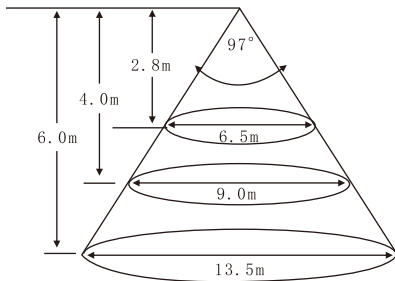


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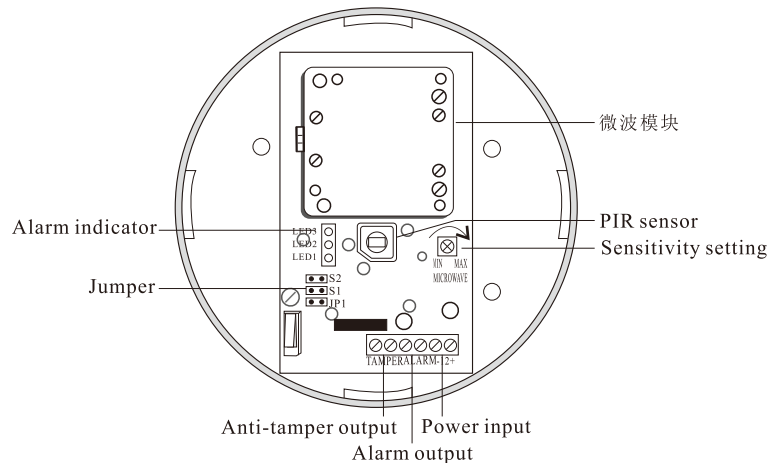


Fig.1 PCB

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Dual technology Ceiling detector

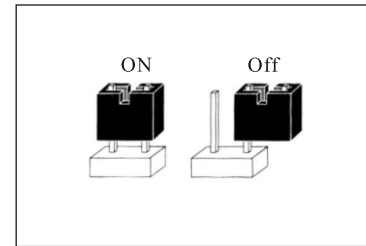


Fig.2 Jumper position