

IS3050 Passive Infrared Motion Sensor - Installation Instructions

IS3050 被动红外探测器安装使用说明

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故障排除

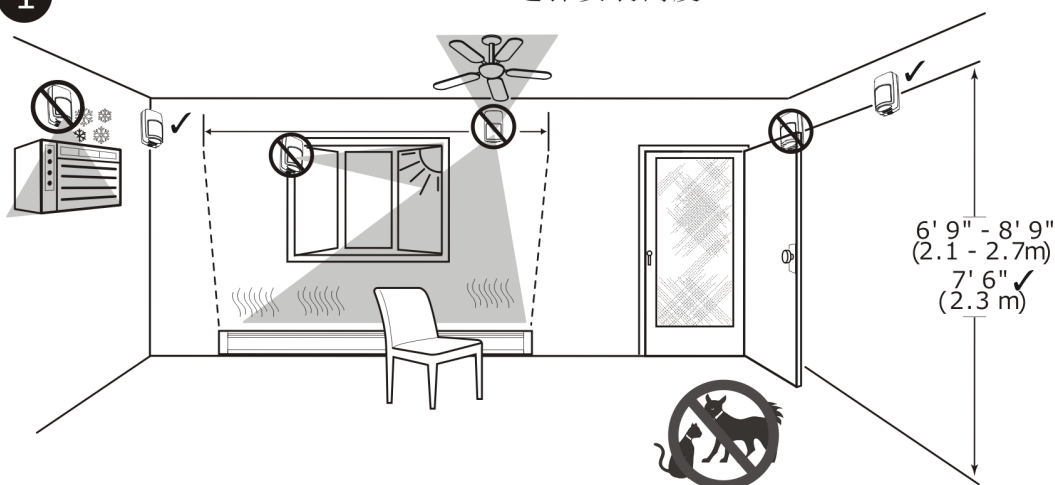
[Sensor Specifications](#)

产品特性

[Accessories](#)

附件

1 SELECT THE MOUNTING LOCATION 选择安装高度



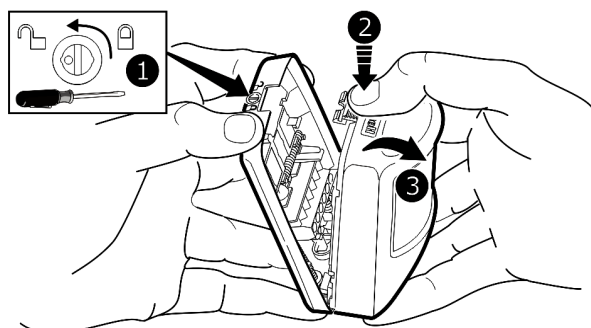
Mounting location guidelines:

- The optimal range is obtained at a mounting height of 7' 6" (2.3 m).
- Allow a clear line-of-sight to all areas to protect.
- Do not directly face windows.
- Avoid close proximity to moving machinery, fluorescent lights and heating/cooling sources.
- Not for use in applications with pets.

安装高度参考:

- 推荐安装高度为 2.3 米。
- 对被保护区域，探测器必须有清晰视野。
- 不可直接面向窗户。
- 远离移动器械、荧光灯和制热/制冷设备。
- 不可用在有宠物的场合。

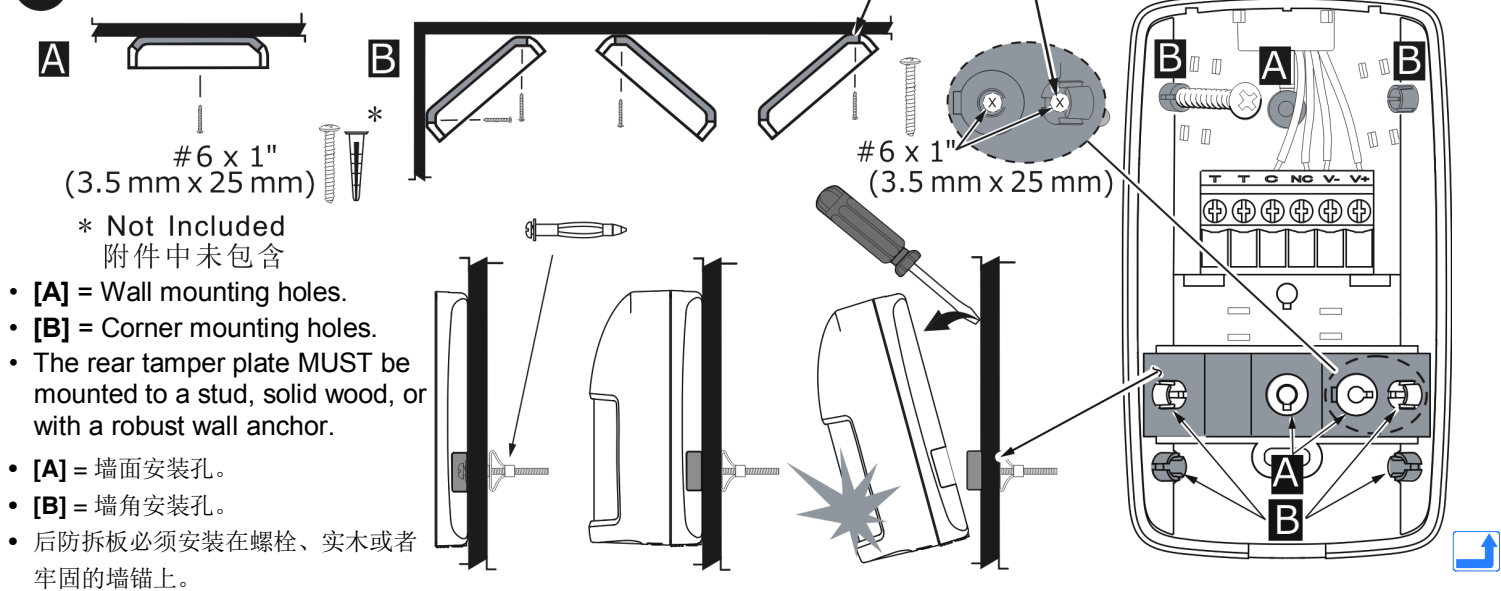
2 OPEN THE SENSOR 打开探测器



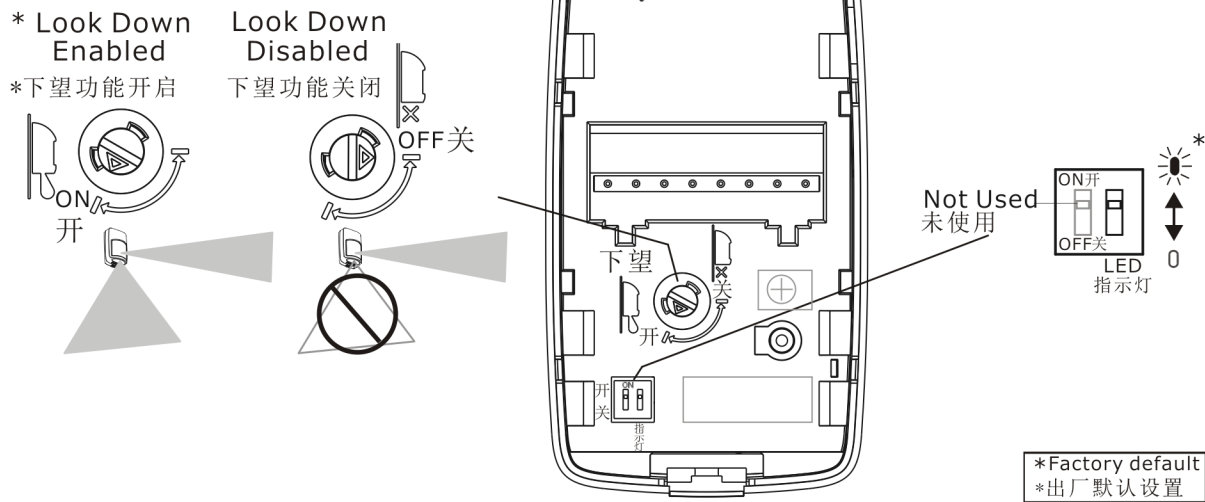
1. Turn the arrow to point to the Unlock symbol.
2. Press firmly on housing latch.
3. Gently separate the front and rear housing.

1. 用螺丝刀将旋钮按箭头方向转至解锁标志。
2. 用力按下前盖上的锁扣。
3. 轻轻分开前后盖。

3 MOUNT THE SENSOR 安装探测器

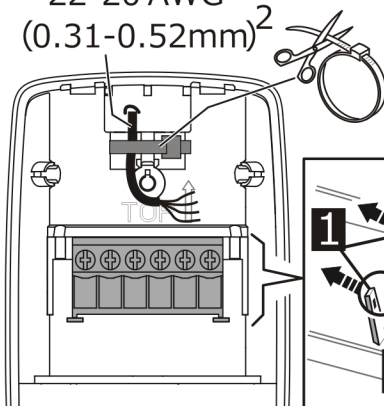


4 SENSOR COMPONENTS AND SETTINGS 探测器组件和设置



5 WIRE THE SENSOR 接线

22-20 AWG
(0.31-0.52mm)²

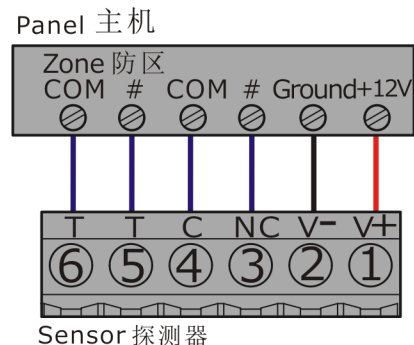
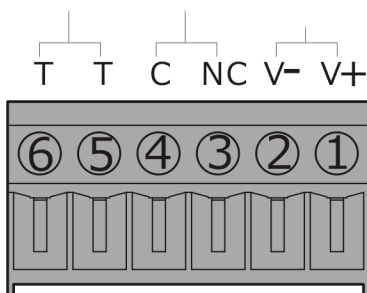


防拆开关 报警 电源

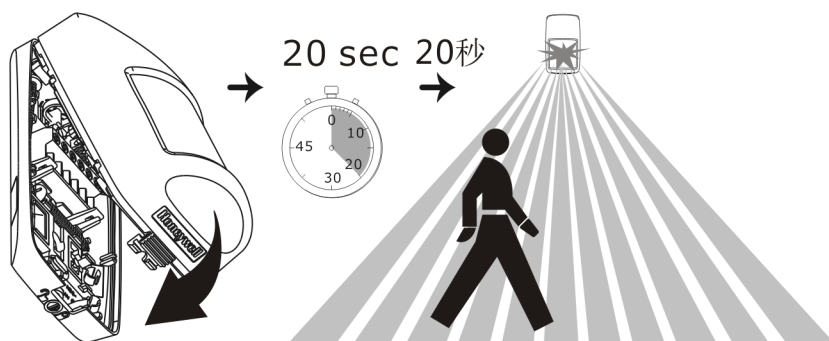
Tamper 30 mA 25 VDC

Alarm 30 mA 25 VDC

Power 13 mA 9-15 VDC



6 WALK TEST THE SENSOR AND ADJUST AS NEEDED 步行测试探测器并按需调整



1. Close the sensor and apply power to the sensor. Initialization is complete when the LED stops flashing slowly (about 20 seconds).
2. Walk through the detection area and observe the LED.

Walk test mode is active for 10 minutes, then automatically exits test mode, disables the LED and enters normal operation mode. For an additional 10 minute walk test, enable walk test mode again with the flashlight feature.

Note: During power up and walk test modes the LED is active regardless of the LED Enable/Disable Dip switch setting.

Flashlight Feature:

1. Use a flashlight with a bright light beam, and stand within 4' (1.2 m) of the sensor.
2. Swing the light beam past the sensor IR window 3-5 times, holding the beam on the window for 0.5 second each pass.

The flashlight feature is only available for the first 24 hours after the first power up.

1. 闭合探测器的前后盖并对其进行上电，当指示灯停止慢闪时初始化完成（约 20 秒）。
2. 开始步测，并观察指示灯。

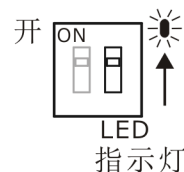
步测模式持续时间为 10 分钟，然后自动退出测试模式，关闭指示灯，并进入正常工作模式。如需再进行一次步测，可打开手电筒步测模式。

注意：通电和步测模式时，无论打开或关闭 DIP 开关设置，指示灯都是开启状态。

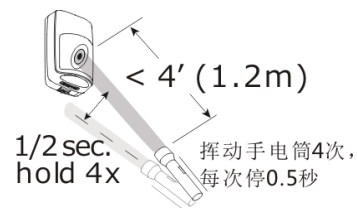
手电筒功能：

1. 打开手电筒，站在距探测器 1.2 米的范围内。
2. 将手电筒的光照在探测器的红外窗口上，并挥动手电筒 3 至 5 次，每次停 0.5 秒。

手电筒功能仅可在通电后的 24 小时内使用。



LED 指示灯	Power Up 上电模式	Walk Test 步测模式	Normal 正常模式	Fault 故障模式
Red 红	Slow Blink 慢闪	ON 亮 Alarm 报警	ON 亮 Alarm 报警	Fast Blink 快闪

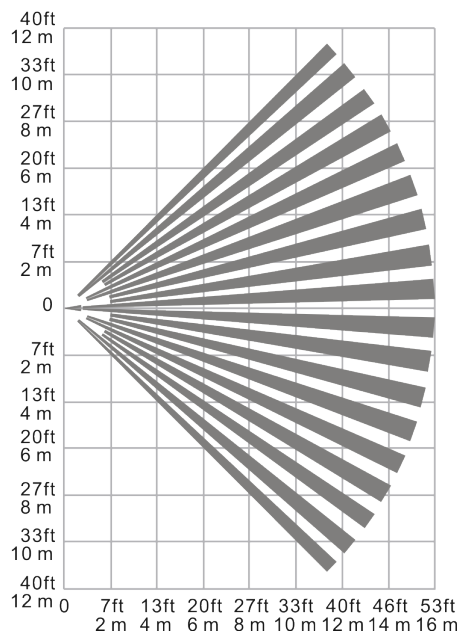


7 DETECTION PATTERNS 探测视区图

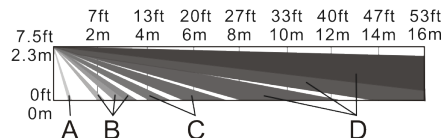
Top View
俯视图

PLAN VIEW
ALL ZONES

平面图
所有防区



Side View
侧视图



Zones

防区

A	2 Look-down	下望
B	18 Lower	近区
C	20 Intermediate	中区
D	54 Long	远区

RELAY OPERATION

	SENSOR STATUS		
	Normal	Intrusion	Trouble ¹
Alarm Relay	Closed	Open	Open

¹ For information on Trouble conditions, see the [Troubleshooting](#) section.

TROUBLESHOOTING



	NORMAL	TROUBLE*
		Self-Test Failure ¹
Alarm Relay	Closed	Open
Red LED	Off	Flashing

*TROUBLE CONDITIONS:

¹ Self-Test Failure conditions:

- PIR self-test failure: The sensor is disabled.
- Temperature compensation failure: The temperature compensation is disabled.

Depending on the Trouble condition, take the following corrective actions:

- Verify the power supply is sufficient (at least 9V at the sensor).
- Cycle power to the sensor.
- [Walk test](#) the sensor.

If the Trouble condition does not clear, replace the sensor.



SPECIFICATIONS

Range: 53' x 72' / 16 m x 22 m

Wall Mounting Height: 7'- 9' (2.1 m - 2.7 m); Optimal 7'6" (2.3 m)

Power: 9.0-15 VDC; 11 mA typical, 13 mA maximum,
AC Ripple: 3 V peak-to-peak at nominal 12 VDC

Alarm Relay: Energized Form A; 30 mA, 25 VDC, 22 Ohms resistance maximum. Alarm Relay Duration: 3 seconds

Tampers: Cover & Wall; (NC with cover installed) Form A; 30 mA, 25 VDC

RFI Immunity: 20V/m 10-1000MHz, 15V/m 1000-2700MHz

PIR White Light Immunity: 6,500 Lux typical

Operating Temperature: 14° to 131° F / -10° to 55° C

Relative Humidity: 5 to 93%; non-condensing

Temperature Compensation: Advanced Dual Slope

Dimensions: 3.86" H x 2.24" W x 1.71" D /
9.8 cm H x 5.7 cm W x 4.35 cm D

Weight: 3 oz / 85 g (net weight)



ACCESSORIES

SMB-10 (P/N 0-000-110-01)	Swivel Mount Bracket
SMB-10C (P/N 0-000-111-01)	Swivel Mount Ceiling Bracket
SMB-10T (P/N 0-000-155-01)	Swivel Mount Bracket w/Tamper

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继电器操作

	探测器状态		
	正常时	入侵时	故障时 ¹
报警继电器	关闭	打开	打开

¹关于故障类型，参见[故障排除](#)。

故障排除

	正常	故障*
		自检故障 ¹
报警继电器	关闭	打开
红色 LED 灯	灭	闪烁

*故障类型:

¹自检故障类型:

- 红外自检故障: 探测器关闭。
- 温度补偿故障: 温度补偿关闭。

根据故障类型，可采取以下措施:

- 检查电压是否充足（探测器上至少9V）。
- 对探测器重新上电。
- [步测](#)探测器。

如果故障不能排除，请更换探测器。

产品特性

探测范围: 16 m x 22 m

安装高度: 2.1 m - 2.7 m; 推荐高度 2.3 m

供电电源: 9.0-15 VDC; 典型 11 mA，最大 13 mA; 交流波动: 正常 12VDC 情况下峰峰值 3V

报警继电器: 励磁 A 型; 30 mA，25 VDC，最大电阻 22 Ohms，报警继电器持续时间: 3 秒

防拆开关: 盖式和墙式; （前后盖扣紧后防拆开关为常闭状态）A 型; 30 mA, 25 VDC

抗射频干扰: 20V/m 10-1000MHz，15V/m 1000-2700MHz

抗白光干扰: 典型 6500 Lux

工作温度: -10°至 55° C

相对湿度: 5至 93%; 无冷凝

温度补偿: 先进的双斜率温度补偿

外形尺寸: 长 9.8 cm x 宽 5.7 cm x 厚 4.35 cm

重量: 85 g （净重）

附件

SMB-10 (P/N 0-000-110-01)	旋转安装支架
SMB-10C (P/N 0-000-111-01)	旋转安装吸顶式支架
SMB-10T (P/N 0-000-155-01)	带防拆开关的旋转安装支架