

TOWER 20 AM

室外反射式防宠物防遮盖多元被动红外探测器



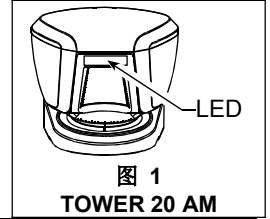
安装指南

1. 简介

探测器功能

- 专利 8 个独立红外感应元阵列式处理 (Octa-PIR™)，每个感应元均具有专利真实移动识别技术(TMR)，再由中央处理器统一运算处理，可以准确识别人体移动信号或是环境树木、灌木晃动。
- 超黑晶反射式光学处理系统
- 有效减少雨雪、尘土、风、阳光直射等损毁及误报
- 拆除、移动报警
- 强 LED 指示，阳光下可见

- 低压探测
- 全面自检
- 全天或夜晚工作模式可选。
- 下陷式探测视窗及高强度外壳
- 防喷涂及遮盖技术。
- 18 公斤级别防宠
- 垂直或左右角度调节



2. 技术参数

光学系统参数

探测范围: 12米 /90°。
探测技术: 阵列式8 独立感应元，真实移动识别处理技术
防宠级别: 18公斤

电气参数

工作电源: 8-16V 直流
静态电流: 12mA@12VDC。
动态电流: 70 mA 最大。(红/黄指示灯闪烁时)

低压探测: 工作电压低于7.5 V时

输出:

报警输出: 固态继电器，常闭, 100 mA / 30 V, 内置35 欧姆电阻回路; 报警时开路2-3秒, 电源掉电时常开

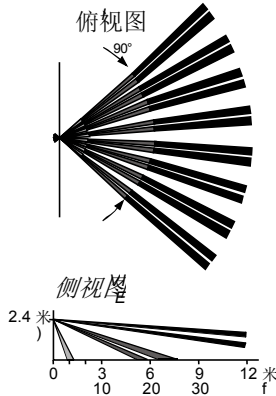


图 2 - 探测区域示意图

故障输出: 固态继电器, 100 mA / 30 VDC, 内置35 欧姆电阻回路。在自检失败、遮盖、低电压或掉电时开路

防拆输出: NC, 50mA / 30 VDC. 被移动或被拆动时开路。

防遮挡探测时间: 120 秒。

LED 远程控制 (TST): 高阻抗。在LED拨码开关设置为OFF 时有效。

安装方式:

安装类型: 墙装

安装高度: 1.5 - 3.0 米

垂直角度调节范围: 0°至10°, 2.5° 步进。

水平调节: -45° 至 +45°, 5° 步进。

环境参数:

工作温度: -35°C 至 60°C

贮运温度: -35°C 至 60°C

湿度: 95% 最大。

抗白光干扰: > 6500 lux

物理参数:

尺寸 (高 x 长 x 宽): 157x147x124mm

重量: 600克

颜色: 白或灰

标准:

符合: EN 50131-2-2 3级 环境部分IV章节. IP 55.等级

EMI: CE 和 EN 50131 (最小. 20 V/m 10 到 1000 Mhz, 最小. 10 V/m 1Ghz 至 2Ghz).

US 专利号: 7250605, 6818881, 5693943

3. 安装步骤

3.1 DIP 拨码开关设置

打开探测器下部的两层底盖 (见图 3, 4-8步) 可见到 DIP 拨码开关。根据表1设置各拨码开关:

表 1 - DIP 开关设置

DIP编号 #	功能	描述	默认值
1	LED灯开关 OFF/ON	关/OFF: 探测到人体移动或遮盖信号时指示灯不亮, 但可通过TST端子使指示灯启动。 开/ON: 探测到人体移动或遮盖信号时LED灯亮/ON.	亮/ON
2	探测功能全天或夜间工作模式 24H / night only	关/OFF: 探测功能全天有效 开/ON: 探测功能夜晚才启动.	关/OFF
3	防遮盖功能打开或关闭 AM ON / OFF	开/ON: 防遮盖功能有效 关/OFF:防遮盖功能无效 从OFF拨到ON会重启60秒自检	开/ON
4	工作模式 /Algorithm	开/ON: 快速反应 -符合 EN 50131-2-2 标准的快速响应。 关/OFF: 高抗误报	关/OFF

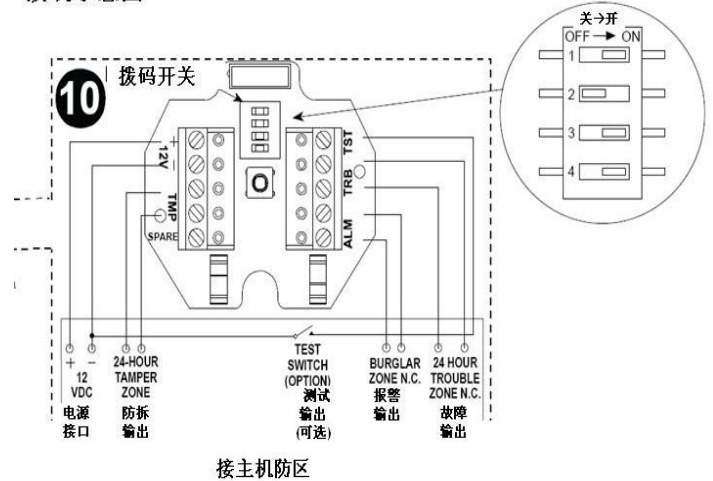
3.2 安装

支架安装 (见图 3) - 将支架固定在稳定的墙面或台柱上。支架应与探测区域尽可能平行。

3.3 接线

连接各线缆(见图 3, 11 - 13步), 接线示意图见右图。

接线示意图



3.4 范围及角度调节

根据所需探测范围及高度，调节探测器垂直及水平角度（见图4, 1-6步），然后盖好探测器。注意防拆开关（见图4, 7-10步）

表2是探测器不同安装高度和探测范围下的垂直刻度调节位置。但调节后必须进行全、多次的步行测试以确定调节效果。

表 2 - 垂直刻度调节

安装高度 (米)	探测距离 (米)					
	2m	4m	6m	8m	10m	12m
3.0m	-	1	2	2	3	3
2.5m	1	1	2	3	4	4
2.0m	1	2	3	4	5	5
1.5m	2	3	4	5	-	-

3.5 测试

A. 将DIP拨码开关1置至ON位置，以打开步行测试模式（见图3, 12至13）；或打开TEST测试开关（见图3, 9）。

B. 从期望的防护距离走近探测区域，确认是每次探测器均可正常探测到，指示灯亮2秒，报警主机正常报警。如有必要，则调整探测器垂直或水平角度。

重要提示： 需告知用户每周至少步行测试一次，以保证探测器工作正常。

C. 在探测器前放一纸板以检测防遮挡功能。2分钟后LED长亮，主机收到防遮盖信号则说明探测器防遮盖功能正常。

D. 移开纸板，30秒后探测器LED灯应熄灭。

表 3 - LED 指示

事件/状态	显示
低电压	红灯闪烁
自检 (60秒.)	黄+ 红灯交替

事件/状态	显示
自检失败	黄+ 红灯同时闪烁
防遮盖探测	黄灯长亮
报警	红灯亮2-3秒

表4 - 输出状态

事件/状态	输出	
	故障输出	报警输出
断电	开	开
待机	闭	闭
低压	开	闭
自检失败	开	闭
遮挡	开	开
报警	闭	开路2秒

3.6 安装底盖，结束安装 (图. 4, 见7 - 10)

安装接线示意图

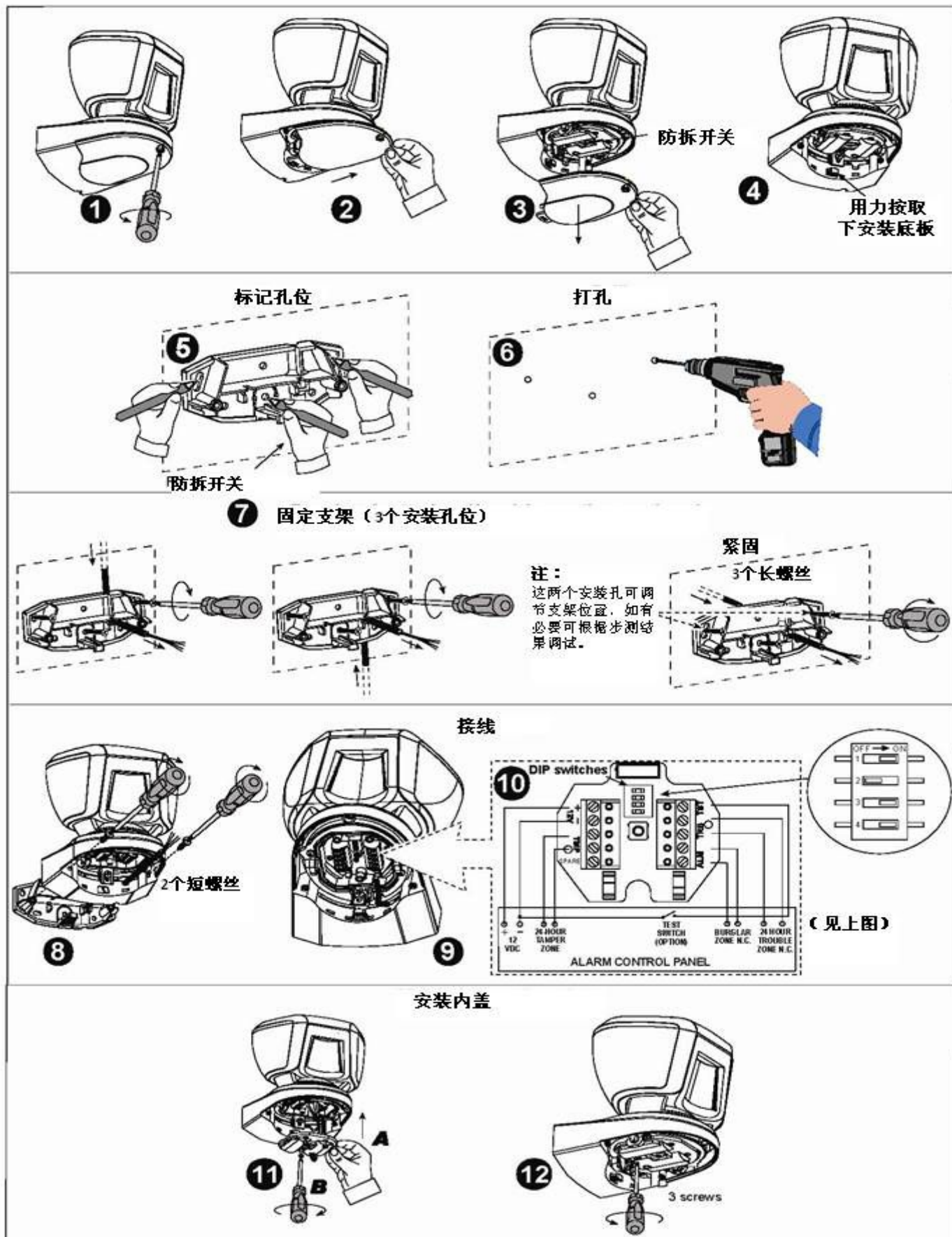


图3 安装

水平角度调节示意图
(-45度至45度)



垂直角度调节示意图
(共10刻度, 每刻度为0至2.5度)

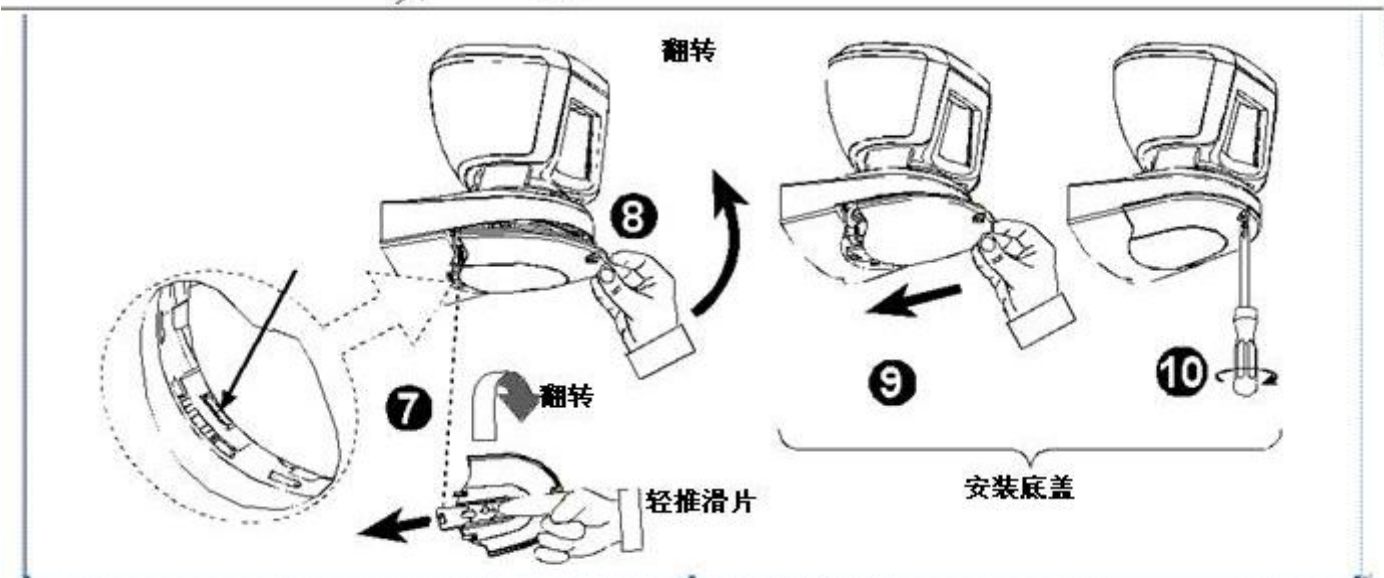


图 4- 距离角度调节及安装底盖

WARRANTY

Visonic Limited (the "Manufacturer") warrants this product only (the "Product") to the original purchaser only (the "Purchaser") against defective workmanship and materials under normal use of the Product for a period of twelve (12) months from the date of shipment by the Manufacturer.

This Warranty is absolutely conditional upon the Product having been properly installed, maintained and operated under conditions of normal use in accordance with the Manufacturers recommended installation and operation instructions. Products which have become defective for any other reason, according to the Manufacturers discretion, such as improper installation, failure to follow recommended installation and operational instructions, neglect, willful damage, misuse or vandalism, accidental damage, alteration or tampering, or repair by anyone other than the manufacturer, are not covered by this Warranty.

The Manufacturer does not represent that this Product may not be compromised and/or circumvented or that the Product will prevent any death and/or personal injury and/or damage to property resulting from burglary, robbery, fire or otherwise, or that the Product will in all cases provide adequate warning or protection. The Product, properly installed and maintained, only reduces the risk of such events without warning and it is not a guarantee or insurance that such events will not occur.

THIS WARRANTY IS EXCLUSIVE AND EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, OBLIGATIONS OR LIABILITIES, WHETHER WRITTEN, ORAL, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR OTHERWISE. IN NO CASE SHALL THE MANUFACTURER BE LIABLE TO ANYONE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS WARRANTY OR ANY OTHER WARRANTIES WHATSOEVER, AS AFORESAID.

THE MANUFACTURER SHALL IN NO EVENT BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL, CONSEQUENTIAL OR PUNITIVE DAMAGES OR FOR LOSS, DAMAGE, OR EXPENSE, INCLUDING LOSS OF USE, PROFITS, REVENUE, OR GOODWILL, DIRECTLY OR INDIRECTLY ARISING FROM PURCHASER'S USE OR INABILITY TO USE THE PRODUCT, OR FOR LOSS OR DESTRUCTION OF OTHER PROPERTY OR FROM ANY OTHER CAUSE, EVEN IF MANUFACTURER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

THE MANUFACTURER SHALL HAVE NO LIABILITY FOR ANY DEATH, PERSONAL AND/OR BODILY INJURY AND/OR DAMAGE TO PROPERTY OR OTHER LOSS WHETHER DIRECT, INDIRECT, INCIDENTAL, CONSEQUENTIAL OR OTHERWISE, BASED ON A CLAIM THAT THE PRODUCT FAILED TO FUNCTION.

However, if the Manufacturer is held liable, whether directly or indirectly, for any loss or damage arising under this limited warranty, **THE MANUFACTURER'S MAXIMUM LIABILITY (IF ANY) SHALL NOT IN ANY CASE EXCEED THE PURCHASE PRICE OF THE PRODUCT**, which shall be fixed as liquidated damages and not as a penalty, and shall be the complete and exclusive remedy against the Manufacturer. When accepting the delivery of the Product, the Purchaser agrees to the said conditions of sale and warranty and he recognizes having been informed of.

Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so these limitations may not apply under certain circumstances.

The Manufacturer shall be under no liability whatsoever arising out of the corruption and/or malfunctioning of any telecommunication or electronic equipment or any programs.

The Manufacturers obligations under this Warranty are limited solely to repair and/or replace at the Manufacturer's discretion any Product or part thereof that may prove defective. Any repair and/or replacement shall not extend the original Warranty period. The Manufacturer shall not be responsible for dismantling and/or reinstallation costs. To exercise this Warranty the Product must be returned to the Manufacturer freight pre-paid and insured. All freight and insurance costs are the responsibility of the Purchaser and are not included in this Warranty.

This warranty shall not be modified, varied or extended, and the Manufacturer does not authorize any person to act on its behalf in the modification, variation or extension of this warranty. This warranty shall apply to the Product only. All products, accessories or attachments of others used in conjunction with the Product, including batteries, shall be covered solely by their own warranty, if any. The Manufacturer shall not be liable for any damage or loss whatsoever, whether directly, indirectly, incidentally, consequentially or otherwise, caused by the malfunction of the Product due to products, accessories, or attachments of others, including batteries, used in conjunction with the Products. This Warranty is exclusive to the original Purchaser and is not assignable.

This Warranty is in addition to and does not affect your legal rights. Any provision in this warranty which is contrary to the Law in the state or country where the Product is supplied shall not apply.

Warning: The user must follow the Manufacturer's installation and operational instructions including testing the Product and its whole system at least once a week and to take all necessary precautions for his/her safety and the protection of his/her property.

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W.E.E.E. Product Recycling Declaration

For information regarding the recycling of this product you must contact the company from which you originally purchased it. If you are discarding this product and not returning it for repair then you must ensure that it is returned as identified by your supplier. This product is not to be thrown away with everyday waste. Directive 2002/96/EC Waste Electrical and Electronic Equipment.



Visonic®

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