

# MCT-234

无线四键遥控器



Visonic

说明书

## 1. 概述

MCT-234是一个迷你型的采用CodeSecure™技术的四键（四种功能）遥控器，应用于高端报警和远程控制系统，如Visonic公司的Powermax系列产品。

信号可通过按下四个按键中的任一个触发。一旦按下一个特定键，MCT-234即发送一个CodeSecure™接收器可识别的CodeSecure™数字识别代码，以及相应按键的功能控制代码。

当下一次按键时，MCT-234会发送与此前均不同的数字识别代码，因此，想截获MCT-234的识别码实际上是不可能的。

工作电源由内置12V碱性电池提供。当池电压高于8.6V时，在发射信号时，红色LED指示灯会长亮；如果在发射信号时LED灯闪亮，则电池必须立即更换。同时，电池低压信号也会即发射的信号一起发出，接收器会识别该报告并作出相应反应。

每个遥控器都配有一个小钥匙环。



图 1. MCT-234

## 2. 规格参数

频率 (MHz): 315, 433.92, 868.95, 或其他当地规定频率 (UL 只允许315 MHz).

调制: ASK (ON-OFF 键)

编码: 28-位 ID, 4-位功能码, 以及 32-位滚动码。

发射时间: 每次按键发射2秒

工作电池: 12 V 碱电池, GP 23A 或相同类型。UL 安装只使用 GP。

功耗: 11 mA (发射时)

电池寿命: 1年 (一般应用)

### 电池监控:

正常 - LED 灯在发射时长亮；

低电 - LED 灯在发射时闪亮。

**说明:** 如果在低电压时仍继续使用，遥控器会发出低电压报告。

工作温度: 0° 到 49°C (32° 到 120°F).

尺寸: 53.5 x 31.5 x 12.5 mm (2-1/8 x 1-1/4 x 1/2 in.).

重量 (带电池): 21 g (3/4 oz).

颜色:

遵循标准: FCC Part 15, MPT1349 及 Directive 1999/5/EC

## 3. 测试和维护

### 3.1 新品测试

因MCT-234已安装好电池，所以已经可以立即测试了。

**重点提示:** 在测试前，需按照接收器的编程手册将MCT-234的ID码学习到接收器上。

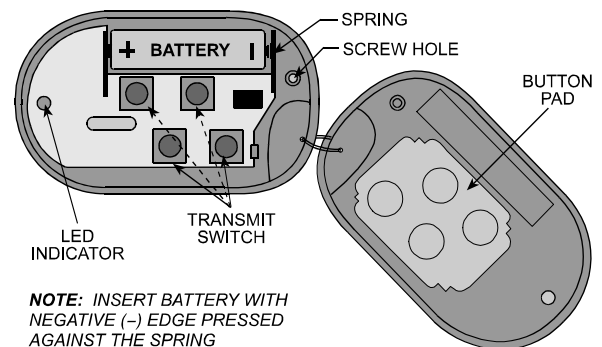
- 在距离接收器（或无线主机）3m的距离按下MCT-234上标有闭锁标记的按键，确认发射指示灯亮起。
- 确认接收器（或主机）按设定作出了反应，且与接收器的说明书一致。
- 在接收器的范围内的不同位置发射信号以检测因墙壁或大型物体导致的信号死角位置，

**注意:** 如果因死角或范围原因影响使用，重新定位接收器可改进接收效果。

### 3.2 更换电池

The battery should be replaced once every 12 months or upon observing that the LED flickers when transmitting. 电池应该每12个月或发射信号指示灯闪烁时进行更换。可代用的电池如 Vinnic L1028, 可在五金或电子商店购买。在UL, 只能使用 GP 电池。按下列步骤更换电池:

- 用小型螺丝刀打开背面的四个微型螺丝，注意不要丢失。
- 取出电池（见图 2）



**NOTE:** INSERT BATTERY WITH NEGATIVE (-) EDGE PRESSED AGAINST THE SPRING

图 2. 取下上盖的内部示意图

**注意:** 确保上盖内的弹性胶垫仍在原位。

- 放入新电池，注意极性。
- 通过按键进行测试，LED灯应亮起。
- 盖好上盖并拧紧螺丝。

### 3.3 清洁

遥控器可能弄脏，只能用软布或海绵沾水和中性洗涤剂轻轻擦拭，然后立即擦干。

**严格禁止使用任何研磨剂，也不允许使用煤油，丙酮和稀释剂等溶剂。**

## 4. 其他说明

### 4.1 产品局限性

Visonic公司的无线系统具有较高的可靠性且经过严格测试，尽管如此，由于受较低的传输功率和距离的限制（FCC和其他无线机构决定），不可避免的有下列局限性:

- 无线接收器可能因同频或接近频段的无线信号干扰而失效，而错过应收到的信号；
- 一个接收器在同一时间内只能处理一个无线信号；
- 应定期测试无线设备，以避免因干扰源等原因而失效。

## 4.2 依据标准

This device complies with the essential requirements and provisions of Directive 1999/5/EC of the European Parliament and of the Council of 9 March 1999 on radio and telecommunications terminal equipment.

The 315 MHz model of this device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference that may be received, including interference that may cause undesired operation.

The user is cautioned that changes or modifications to the unit, not expressly approved by Visonic Ltd., could void the user's FCC authority to operate the equipment.

## 4.3 欧洲无线频率分配

- 433.92 MHz 不受限制.
- 315 MHz 不允许使用
- 868.95 MHz (宽带) 所有国家均可使用
- 869.2625 MHz (窄带) 不受限制

### WARRANTY

Visonic Ltd. and/or its subsidiaries and its affiliates ("the Manufacturer") warrants its products hereinafter referred to as "the Product" or "Products" to be in conformance with its own plans and specifications and to be free of defects in materials and workmanship under normal use and service for a period of twelve months from the date of shipment by the Manufacturer. The Manufacturer's obligations shall be limited within the warranty period, at its option, to repair or replace the product or any part thereof. The Manufacturer shall not be responsible for dismantling and/or reinstallation charges. To exercise the warranty the product must be returned to the Manufacturer freight prepaid and insured.

**This warranty does not apply in the following cases:** improper installation, misuse, failure to follow installation and operating instructions, alteration, abuse, accident or tampering, and repair by anyone other than the Manufacturer.

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.

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.

The Manufacturer does not represent that its Product may not be compromised and/or circumvented, or that the Product will prevent any death, personal and/or bodily 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. User understands that a properly installed and maintained alarm may only reduce the risk of events such as burglary, robbery, and fire without warning, but it is not insurance or a guarantee that such will not occur or that there will be no death, personal damage and/or damage to property as a result.

**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 or otherwise, regardless of cause or origin, the Manufacturer's maximum liability 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.

**Warning:** The user should follow the installation and operation instructions and among other things test the Product and the whole system at least once a week. For various reasons, including, but not limited to, changes in environmental conditions, electric or electronic disruptions and tampering, the Product may not perform as expected. The user is advised 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.



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MADE IN ISRAEL