1. INTRODUCTION

1.1 General

The MCT-220 enables people, for example senior citizens in their home environment, to transmit an emergency call when they are at some distance from their communication unit.

1.2 Additional Features

- Can be used for panic alarm, when used with a Visonic Amber or PowerMax family system.
- Can be used for X-10 devices activating when used with a Visonic PowerMax family system.
- An auxiliary sensor can be connected to the MCT-220. When the sensor is in an alarm state, the MCT-220 sends an alarm message from its auxiliary channel.
- Enables people to answer incoming calls when the telephone is out of reach, when used with a Visonic Amber family system.
- MCT-220 button pressing period - 2 seconds or 300 milliseconds (selectable by an internal function selector).

2. SPECIFICATIONS

GENERAL
Compatibility: Compatible with all Visonic control panels and receivers.
Operating Frequencies (MHz): 315, 433.92, 868.95, 869.2125 or 869.
Maximum Tx Power: 10dBm @ 433MHz, 14dBm @ 868MHz.

ELECTRICAL
Internal Battery: 3V battery type CR123
Current Consumption: 35 mA (during transmission), 20µA in standby mode.
Battery Life Expectancy: 5 years (for one alarm per day)

ENVIRONMENTAL
Operating Temperature: 0° to 50°C (32° to 122°F)

PHYSICAL
Dimensions (Diameter x H): 90 x 35 mm (3-1/2 x 1-3/8 in)

3. PREPARATION FOR USE

3.1 Cover Removal

3.2 Function Selector Setting

The MCT-220 has a 4 lever switch (see Fig. 3). Each switch lever allows you to select one of two options.

- Supervision signal is regularly transmitted to the communication unit.
- In low battery voltage state, an alarm message is sent to the communication unit and the MCT-220 button blinks during transmission.
- Push button back light can be switched On/Off by an internal function selector.
- Auxiliary input E.O.L. / Normally Close type can be selected by an internal function selector.
- Auxiliary input alarm restore message can be enabled / disabled (selected by an internal function selector).
- Water resistant.

Weight: 110g (3.9 oz.)
Color: White

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

Compliance with standards (Europe): ETSI EN 301 489-3, EN 50130-4, EN 300 220-2, EN 300 220-1, EN 60950-1

Hereby, Visonic Ltd. declares that the radio equipment type MCT-220 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: http://www.visonic.com/download-center

<table>
<thead>
<tr>
<th>Table 1. Function Selector Description</th>
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<td><strong>Function</strong></td>
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(*) SWITCH SW2 determines whether the auxiliary input will behave as a 47kΩ end-of-line (E.O.L) input or as a normally closed (N.C.) input.

(**) SWITCH SW3 determines whether the MCT-220 will report a restore event when the auxiliary input restores from an alarm condition.

3.3 Battery Insertion

Insert battery (see Figure 3) – Verify proper polarity.

Caution! Risk of explosion if battery is replaced by an incorrect type.
Dispose of used batteries according to the manufacturer’s instructions.
4. INSTALLATION

4.1 Wall Mounting

Mark
Drill
Fasten
Insert into rubber base

Figure 5 – Wall Mounting

4.2 Desktop Mounting


Figure 6 – Desktop Mounting

4.3 Auxiliary input Wiring

Connect the 2 auxiliary device wires to the proper AUXILIARY terminals GND and IN1 - see figure 3.

4.4 Enrolling

The MCT-220 and its auxiliary input should be enrolled into the communication unit memory, in order that the communication unit will be able to identify their signals.

If the MCT-220 is used with PowerMax family, refer to the relevant installer / programming guide, ENROLLING WIRELESS DEVICES section. If the MCT-220 is used with AMBER, refer to the HHPC software user guide.

When you are instructed to initiate transmission:
A. For the MCT-220 enrolling, press the MCT-220 button.
B. For the Auxiliary input enrolling, simulate an alarm event via the auxiliary detector.

4.5 Test

Perform the following actions and verify that the communication unit properly responds:
A. Press the MCT-220 button.
B. Simulate an event from the auxiliary input.

WARRANTY

Visonic Limited (the "Manufacturer") warrants this product only (the "Product") to the original purchaser (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 Manufacturer's recommended installation and operational instructions. Products which have become defective for any other reason, according to the Manufacturer's 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.

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THE MANUFACTURER SHALL HAVE NO LIABILITY FOR ANY DEATH, PERSONAL AND/OR BODY 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 Manufacturers 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 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 were 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.

WEEE 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.

Visonic

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