1. INTRODUCTION

The MCS-720 is a fully supervised wireless siren, for indoor use, that communicates with PowerMax Pro or PowerMaxComplete alarm system.

Features

• The siren is activated according to specific commands that are transmitted from the alarm system (refer to the alarm system specifications - SIREN SIGNALS).

  *Note:* The siren is activated for a predefined "Bell Time" (refer to PowerMax Pro / PowerMaxComplete installer guide, par. 4.4), according to local authorities requirements, or until the system is disarmed, whichever occurs first.

• Squawk indications when using a keyfob

  High, mid or low siren squawk (beep) sound can be used to indicate arming (1 squawk) and disarming (2 squawks) of the alarm system.

• Flash lights / strobe

  When an identified activation command is received from the alarm system, the strobe light is activated every 1 second (100ms ON, 900ms OFF) for a period of 20 minutes maximum, or until the alarm system is disarmed whichever occurs first. There is an option to disable the lights/strobe locally by using an internal jumper.

• Tamper protection

  The unit has tamper protection for wall and front cover opening alarm.

• Low battery voltage alert

  When the battery voltage is low, low battery message is sent to the alarm system. After the low voltage message delivery, at least 2 siren alarms are possible before the siren is totally inactive.

• 2-way full supervision

  The siren is a fully supervised, 2-way communication device. It includes a receiver, to receive activation commands from the alarm system, and a transmitter, to periodically transmit its status signal to the alarm system.

2. SPECIFICATIONS

Siren Type: Piezo, 109dB SPL @ 1m, 1.8-3.5 kHz, sweep frequency 7Hz.

Internal Battery: 3.6V 13Ah non-rechargeable EVE Lithium battery, EEMB type ER34615M.

*Note:* Use only the above battery. Dispose of used battery according to the manufacturer's instructions.

Battery life expectancy: 3 years (for typical use)

Operating Frequency (MHz): 315, 433.92, 868.95, or other frequency according to the requirement in the country of use.

Receiver and Transmitter ID Type: 24-bit

Flash Lights Duration: 100ms ON, 900ms OFF

Dimensions (LxWxD): 161x161x50mm (6-7/16 x 6-7/16 x 1-3/4 in)

Weight (with battery): 470g (16.5 oz.)

Color: white

Operating Temperature: -10°C to 60°C (-14°F to 140°F)

Compliance with Standards:

EUROPE: EN 50131-1, EN 50131-4 Grade 2 Class II, Swedish SSF 1014:3, Belgium TO14A.

The MCS 720 has been tested and certified to EN 50131-4, ENS0131-1 for security Grade 2, environmental Class 2, by the Dutch testing and certification body Telefication B.V.

USA: (FCC) CFR 47part 15, IC: RSS 210


3. INSTALLATION, TESTING AND ENROLLING

3.1 Installation
3.2 Battery Pack Insertion

Note: Battery replacement should be done by a service man.

![Battery Pack Insertion](image)

3.3 Self Test

Upon pressing the self test switch more than 3 seconds (see Fig. 4), the siren performs a functionality check during which low level piezo sounds and flash lights indicate that the siren is fully operational.

3.4 Enrolling

The PowerMax Pro / PowerMaxComplete alarm system must recognize the siren’s unique identification code for command delivery and supervision. To enroll the siren into the alarm system memory, refer to the ENROLLING section of the control panel installation instructions, and momentarily press the self-test switch (see figure 4) when you are instructed.

After the enrolling, close the siren’s cover and perform diagnostic test, as described in PowerMax Pro / PowerMaxComplete installer guide, DIAGNOSTIC section. Enrolling cancellation, if required, is also described in the control panel Installer Guide, ENROLLING section.

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 in accordance with the manufacturers recommended installation and operation instructions. Products which have become defective for any other reason, according to the Manufactuer’s discretion, such as improper installation, failure to follow recommended installation 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 an attack or threat by any means that the manufacturer does not have a reasonable expectation of discovering and/or preventing. In the event that the manufacturer does not have a reasonable expectation of discovering and/or preventing an attack or threat, the manufacturer shall not be liable for any loss or damage arising from the manufacturer’s failure to discover and/or prevent such an attack or threat.

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.

The Manufacturer shall have no liability for any death, personal and/or indirect damages to property arising from PURCHASER’s USE OR INABILITY TO USE THE PRODUCT, OR INDIRECTLY ARISING FROM PURCHASER’S USE OR INABILITY TO USE THE PRODUCT, 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.

Warranty and insurance that such events will not occur. The Manufacturer does not guarantee that the Product is not compromised and/or circumvented or that the Product will prevent an attack or threat by any means that the manufacturer does not have a reasonable expectation of discovering and/or preventing.

Some jurisdictions do not allow the exclusion of implied warranties, so these limitations may not apply under certain circumstances.

THE MANUFACTURER SHALL HAVE NO LIABILITY FOR ANY DEATH, PERSONAL AND/OR INDIRECT DAMAGES TO PROPERTY ARISING FROM PURCHASER’S USE OR INABILITY TO USE THE PRODUCT, OR INDIRECTLY ARISING FROM PURCHASER’S USE OR INABILITY TO USE THE PRODUCT, 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 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.

The digital circuit of this device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in residential installations. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio and television reception. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause interference, which can be verified by turning the device off and on, the user is encouraged to eliminate the interference by one or more of the following measures:

- Re-orient or re-locate the receiving antenna.
- Increase the distance between the device and the receiver.
- Connect the device to an outlet on a circuit different from the one to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician.

Changes or modifications not expressly approved by Visonic Ltd. could void the user’s authority to operate the equipment.

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.

Warranty:

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