

# MCS-740

## Fully Wireless Outdoor Siren



# Visonic

## Installation Instructions

### 1. INTRODUCTION

The MCS-740 is a fully wireless outdoor siren, designed for installation in areas in which wiring action is difficult or impossible. It is compatible with control panels such as PowerMax Pro, PowerMaxComplete, PowerMaxExpress or Visonic newer panels (not compatible with PowerMax+ and PowerMax control panel).

#### Features

- **Siren and strobe light activation:** The siren produces a strong alarm noise and emits flashing light to deter intruders and guide police to the site.

##### Notes:

The duration of the siren's alarm is controlled from the control panel by setting the "Bell Time" option (refer to alarm system installer guide, par. 4.4) and should be set according to local authorities requirements.

The strobe light operates (every 1 second) for 20 minutes after siren stops or until the system is disarmed, whichever occurs first.

- **2 Types of alarm indication**

The siren produces different alarm signals for Burglar and Fire.

- **Squawk indication:** Squawk (beep) sounds can be used to indicate alarm system arming (1 squawk) and disarming (2 squawks) by a keyfob (squawk can be enabled from the control panel User menu).

- **Tamper / supervision failure indication:** Siren is equipped with tamper protection, which produces alarm if a burglar attempt to open the siren's cover or remove siren from wall.

- **Low battery voltage alert**

The siren reports a low battery message to the alarm system when battery is about to drain. After low voltage is reported, at least 2 siren alarms are possible before the siren is totally inactive.

- **Strobe Light Color:** The siren can be purchased with red, blue, amber or transparent lens, according to the desired strobe light color.

- **Siren activity LED:** A flashing LED (optional, at the bottom of the siren front panel) indicates siren activity (can be disabled by an internal jumper, see fig. 3, step 8)

- **2-way full supervision**

The siren is fully supervised, 2-way communication device. It periodically transmits its status signal to the alarm system.

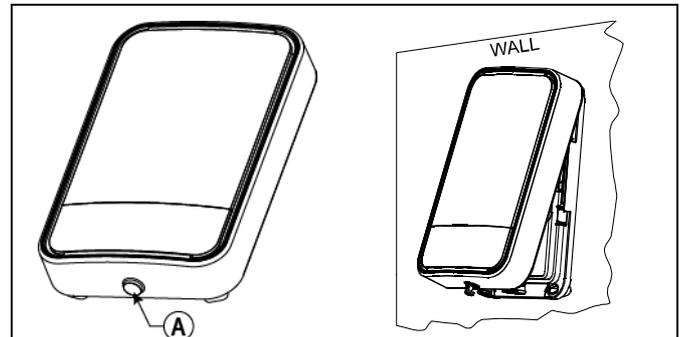


Fig. 1a - External View

Fig. 1b - Mounting Position

A. MCS-740 can be recognized outwardly by its red screw cap.

**IMPORTANT!** The MCS-740 siren must be installed on the wall in a vertical position with the screw pointing to the floor only, as illustrated in Figure 1b. The importance of correct positioning of the MCS-740 is to enable the siren to function as a waterproof device.

- **Installation diagnostics**

The transmitted signal strength can be measured during the installation (refer to the alarm system Installer guide, par. 5.2 - Diagnostic Test).

- **Self-test function**

Upon pressing the self test switch, siren functional check is performed - low level sounds and flash light indicate that the siren is serviceable.

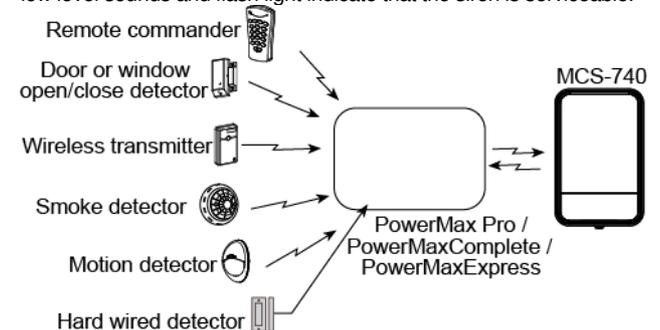


Figure 2- Typical Integration with the Alarm System

### 2. SPECIFICATIONS

**Siren Type:** One Piezo 109 db. Sound Pressure Level @ 1m, 1.8-3.5 kHz, sweep frequency 7 Hz. Additional piezo is optional.

**Battery:** Four 3.6V/3.5A/H Lithium independent cells (EVE ER18505M) assembled in two plastic wrappings and connected to the cable adaptor (see Figure 3). Visonic assembly catalog no. 103-304742.

**Caution!** Risk of explosion if battery is replaced by an incorrect type. Dispose of used battery according to the manufacturer's instructions.

**Battery Life Time:** 3 years (taking into consideration a typical alarm of 4 minutes Piezo + strobe operation per week).

**Current Consumption:** Standby - 250µA average, Operation - 300mA average.

**Compliance with Standards:** EN 50131-1 Grade 2 Class 4, EN50131-4, EN301489, EN50130-4, EN50130-5, ETSI EN 300 220, IP55,

**Operating Frequency (MHz):** 433.92, 868.95

**Supervision Time:** 5 minutes

**Strobe Light:** Pulsed @ 1 sec.

**Dimensions (LxWxD):** 295x186x63mm (11-5/8 x 7-5/16 x 2-1/2 in)

**Color:** White (with red, blue, amber or transparent lens)

**Operating Temperature:** -33°C to 70°C (-27.4°F to 158°F), RH humidity 75%.

**Weight (including battery):** 970g (34 oz)

**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.

# 3. INSTALLATION, TESTING AND ENROLLING

## 3.1 Installation

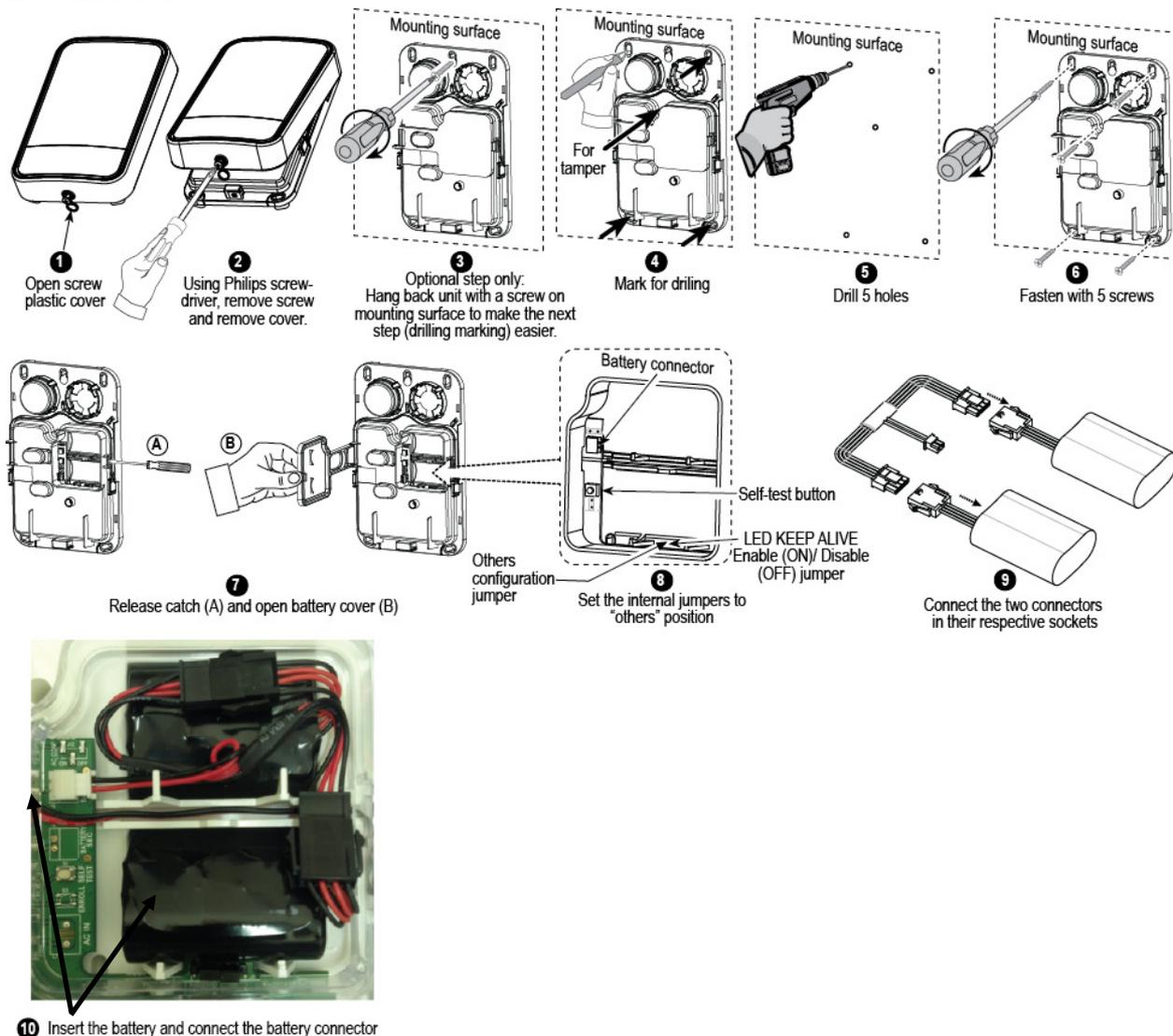


Figure 3 – Installation

## 3.2 Self-Test

Press the self test button (see figure 3 step 8). Low level piezo sounds and flash lights indicate that the siren is fully operational.

## 3.3 Configuration (see figure 3, step 8)

### LED Keep Alive Jumper Setup:

When it is desired that the Keep Alive LED should blink (every 5 sec.); LED configuration must be set to ON position.

### PowerMax+ / Other Jumper Setup

The internal jumper must be set to "others" position.

## 3.4 Enrolling

**Important Note:** The siren is ready to operate 30 seconds after the enrolling. Pre-enrolled sirens are ready to operate 30 seconds after power up.

The 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 alarm system installation instructions, and momentarily press the Self-Test button (see figure 3 step 8) when you are instructed.

After the enrolling, close the siren's cover and perform diagnostic test, as described in the alarm system installer guide, DIAGNOSTIC section.

Enrolling cancellation, if required, is also described in the alarm system Installer Guide, ENROLLING section.



### 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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Refer to separate Warranty statement

Based on D-301680 Rev 4

