

# SR-740 HEX PG2

Fully Wireless PowerG Outdoor Siren



**Visonic**

## Installation Instructions

### 1. INTRODUCTION

The SR-740 HEX PG2 is a fully wireless outdoor siren for installation in areas in which wiring action is difficult or impossible. The siren is compatible with PowerG control panels.

#### Features

- **Siren and strobe light activation:** When an identified event message is received from the compatible PowerG alarm system, the siren activates its sounder & strobe light.

**Notes:**

*The sounder is activated for a predefined "Bell Time" (refer to the control panel Installer Guide), according to local authorities requirements, or until the system is disarmed, whichever occurs first.*

*The strobe light operates as described in the PowerG Installer Guide.*

- **Tamper indication:** In case of tamper while the system is armed, the siren transmits the message to the alarm system and then the alarm system determines whether the siren should be activated or not. If the siren does not receive an acknowledge message from the alarm system, the siren will function independently.

- **Siren and strobe light activation:** When an identified event message is received from the compatible PowerG alarm system, the siren activates its sounder & strobe light.

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*The strobe light operates as described in the PowerG Installer Guide.*

- **Tamper indication:** In case of tamper while the system is armed, the siren transmits the message to the alarm system and then the alarm system determines whether the siren should be activated or not. If the siren does not receive an acknowledge message from the alarm system, the siren will function independently.
- **Low battery voltage alert:** When the battery voltage is low, a 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.
- **Power Supply Options:** Non-rechargeable battery. Optional - two non-rechargeable batteries.
- **Sound Types:** Burglar (between 1400Hz - 3200Hz), fire, gas/Co and flood.
- **Entry/Exit:** Exit delay beeps sound once the user has armed the system. Entry delay beeps sound once the user has entered the protected area. (Entry/exit beeps can be enabled / disabled from the control panel Installer menu.)
- **Squawk indications:** 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 Settings menu).
- **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 the control panel)
- **Double Tamper protection:** When the siren front panel is removed or when the siren is removed from the wall, a tamper alarm is sent to the alarm system.

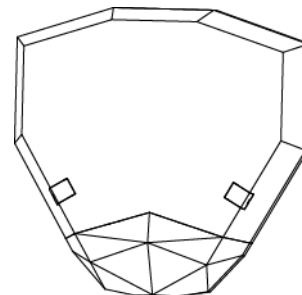
**IMPORTANT!** The SR-740 HEX PG2 siren must be installed on the wall in a vertical position with the screw pointing to the floor only, as illustrated in Figure 1. The importance of correct positioning of the SR-740 HEX PG2 is to enable the siren to function as a waterproof device.

#### 2-way full supervision

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

#### Self-test feature

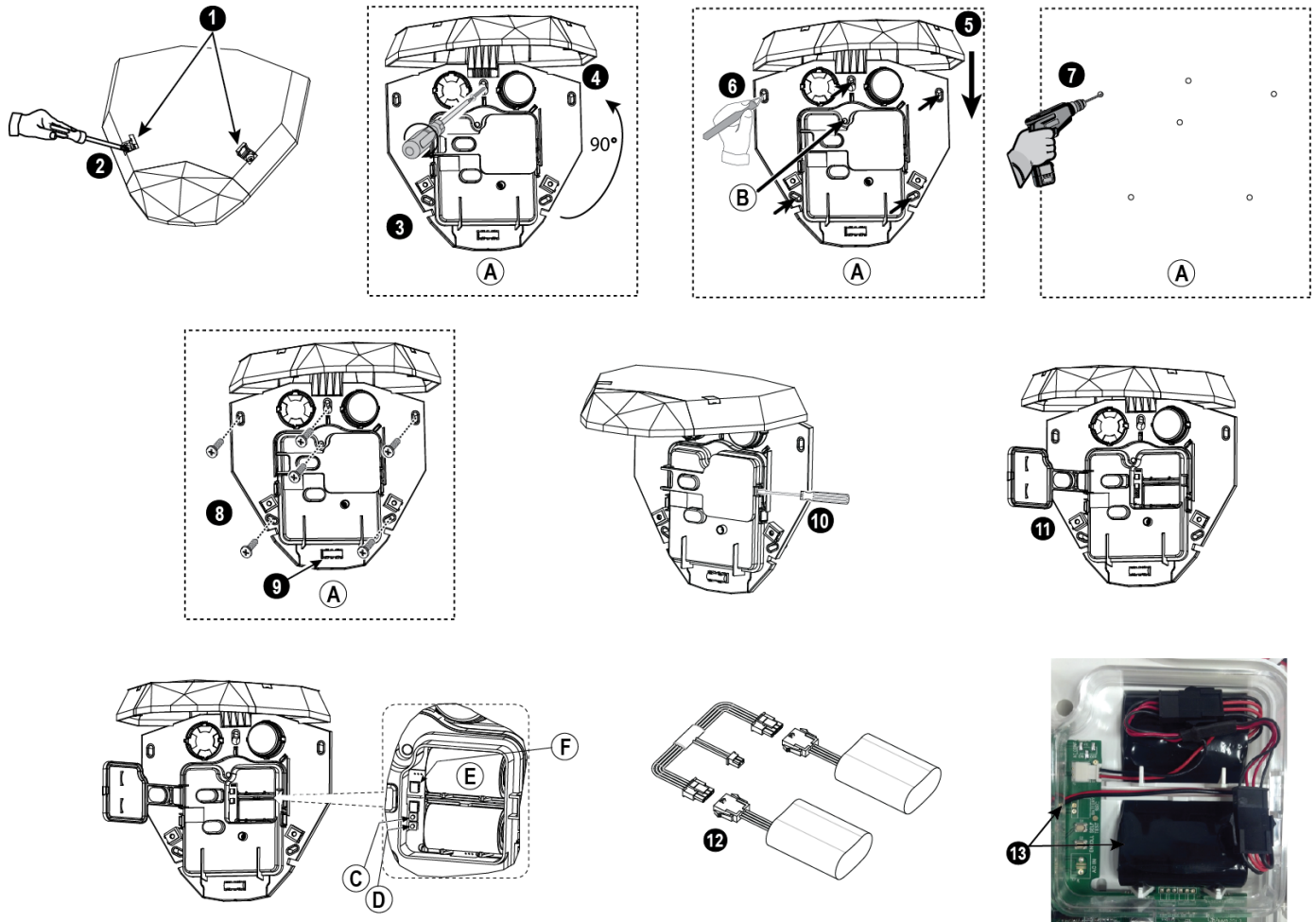
Upon pressing the self-test switch, a siren functional check is performed - low level sounds and flashing light indicate that the siren is serviceable.



**Fig. 1 - External View**

## 2. INSTALLATION

### 2.1. Installation



1. Open the 2 plastic screw covers.
2. Using a Philips screwdriver, release the 2 screws.
3. Hang back the unit with a screw on the mounting surface.
4. Open the cover at an angle of 90°.
5. With the cover at an angle of 90°, push the cover downward on its axle until locked.
6. Mark for drilling.
7. Drill 6 holes.
8. Fasten with 6 screws.
9. Use the level to horizontally adjust the unit to the correct position.
10. Using a screwdriver, release the catch.
11. Open the battery cover.
12. Connect the two connectors in their respective sockets.
13. Insert the battery and connect the battery connector.

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

Figure 2: Installation

### 2.2. Closing the Cover

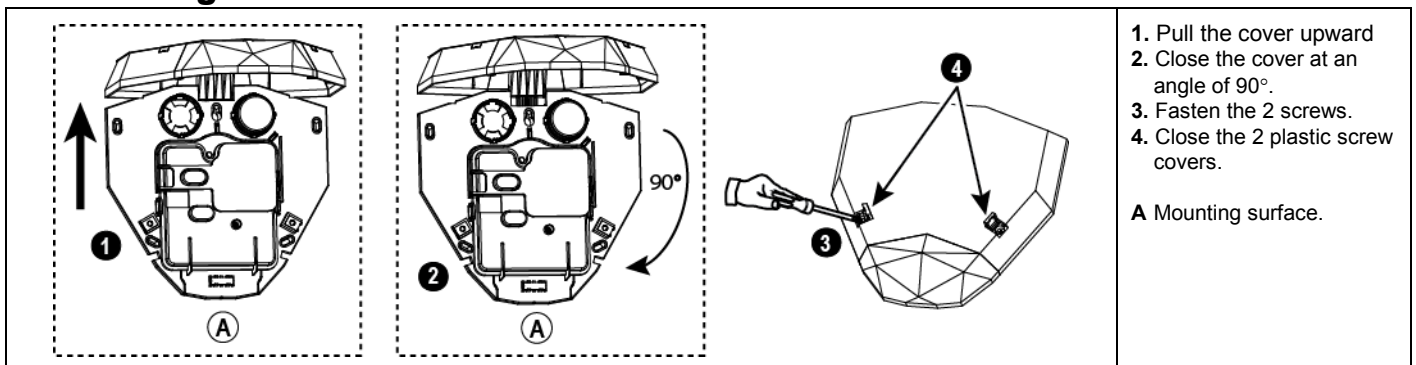


Figure 3: Closing the Cover

## 2.3. Assembly / Disassembly of Cover for Desktop Mounting

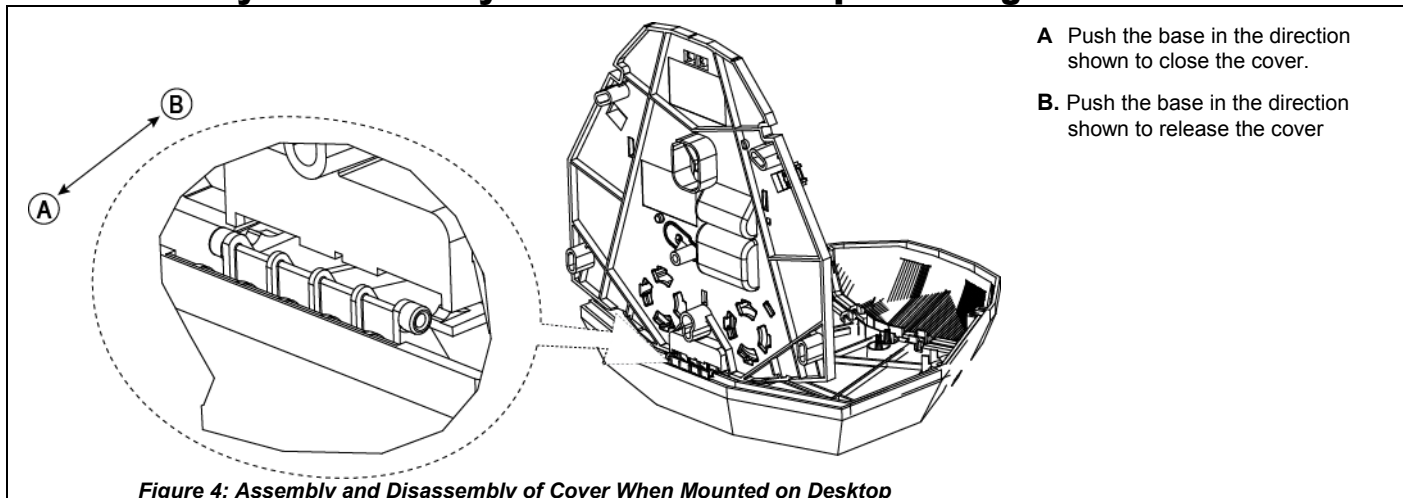


Figure 4: Assembly and Disassembly of Cover When Mounted on Desktop

## 2.4. Assembly / Disassembly of Cover for Wall Mounting

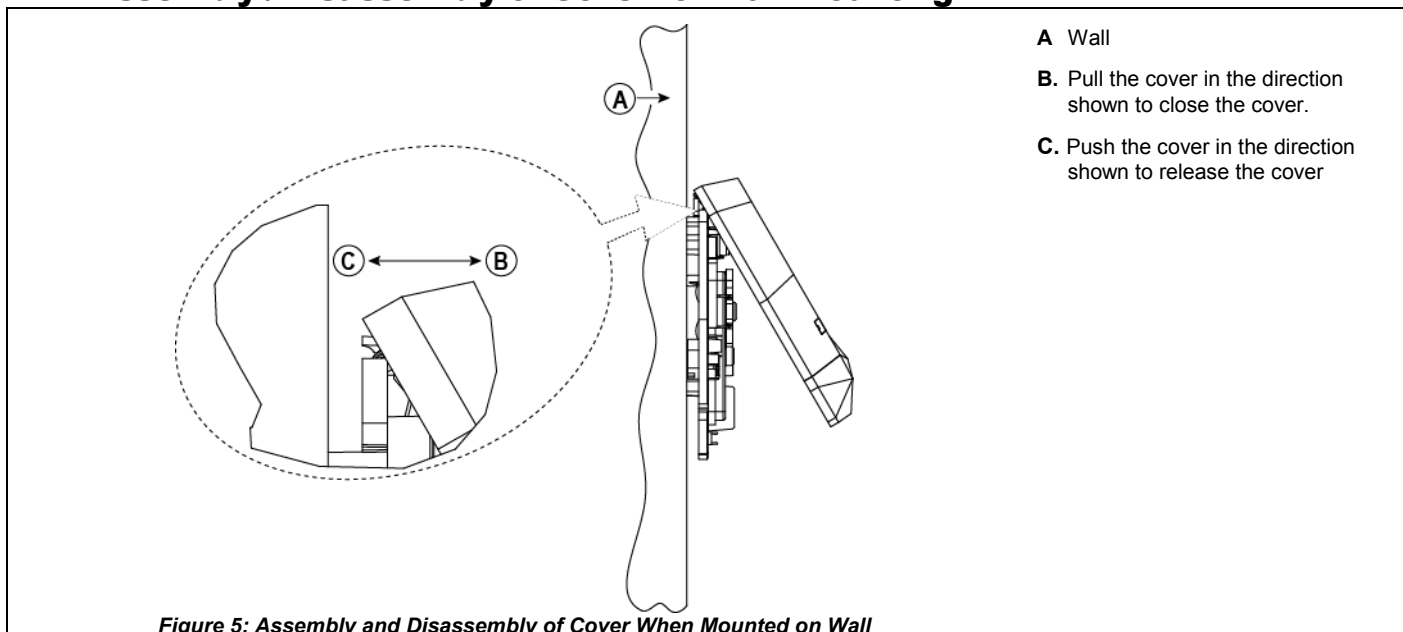


Figure 5: Assembly and Disassembly of Cover When Mounted on Wall

## 2.5. Enrollment

Refer to the PowerMaster panel's Installer Guide and follow the procedure under the "02:ZONES/DEVICES" option of the Installer Menu. A general description of the procedure is provided in the following flow chart.

| Step 1                                                 | Step 2                                                                            | Step 3                                                                                             | Step 4                                                                                                                                                                                                                                                                                                                                                              | Step 5                                           |
|--------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| Enter the Installer menu and select "02:ZONES/DEVICES" | Select "ADD NEW DEVICE"<br>See Note 1                                             | Enroll the device or enter the device ID                                                           | Select the desired siren number for the new siren                                                                                                                                                                                                                                                                                                                   | Configure Location, Zone Type & Chime Parameters |
| 02:ZONES/DEVICES                                       | ⇒ ADD NEW DEVICES                                                                 | ⇒ ENROLL NOW or<br>ENTR ID:XXX-XXXX                                                                | ⇒ SR1:Siren Outdoor<br>ID No. 410-XXXX                                                                                                                                                                                                                                                                                                                              | ⇒ SR1.LOCATION<br>SR1.ZONE TYPE<br>SR1.SET CHIME |
| MODIFY DEVICES                                         |                                                                                   |                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                     |                                                  |
| Step 6                                                 | Step 7                                                                            | Step 8                                                                                             | Notes:                                                                                                                                                                                                                                                                                                                                                              |                                                  |
| Enter PARTITIONS.<br>See Note 2                        | Assign partitions to the detector by pressing the 1, 2 and 3 buttons on the panel | Select the "DEV SETTINGS" option and refer to the section below to configure the siren parameters. |                                                                                                                                                                                                                                                                                                                                                                     |                                                  |
| SR1:PARTITIONS                                         | ⇒ SR1:P1 P2 P3                                                                    | ⇒ SR1: DEV SETTINGS                                                                                |                                                                                                                                                                                                                                                                                                                                                                     |                                                  |
| ⇒ means scroll and select OK                           |                                                                                   |                                                                                                    | <p>1. If the siren is already enrolled, you can configure the siren parameters and assign partitions via the "Modify Devices" option – see Step 2.</p> <p>2. PARTITIONS will appear only if PARTITIONING was previously enabled in a panel that supports the Partitioning feature (for further details, see "Partitioning" in the PowerMaster Installer Guide).</p> |                                                  |

## 2.6. Configuring the Siren Parameters

Enter the **DEVICE SETTINGS** menu and follow the configuration instructions for the SR-740 HEX PG2 outdoor siren as described in the following table.

| Option                  | Configuration Instructions                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>STROBE ALARM</b>     | Here you determine whether or not to activate the strobe alarm, and if activated, whether to activate the strobe until the alarm system is disarmed, or, for the programmed period of time (see "Siren Configuration" section in the control panel Installer Guide).<br>Optional settings: <b>Timer limited</b> (default), <b>Disabled</b> and <b>Until Disarmed</b> |
| <b>EXIT-ENTRY Beeps</b> | Here you determine whether or not to activate the exit – entry beeps, and if enabled, whether to activate in HOME or AWAY mode.<br>Optional settings: <b>Disabled</b> (default), <b>Disabled &amp; Home</b> and <b>Enabled</b> .                                                                                                                                     |
| <b>SQUAWK</b>           | Here you determine whether or not to enable the squawk, and if enabled, whether to activate the sounder only, or, the sounder and strobe simultaneously.<br>Optional settings: <b>Disabled</b> (default), <b>Sounder only</b> , <b>Strobe only</b> and <b>Sounder+strobe</b> .                                                                                       |
| <b>SOUNDER VOLUME</b>   | Here you determine the volume level of the sounder.<br>Optional settings: <b>Volume HIGH</b> (default), <b>Volume LOW</b> and <b>Volume MID</b> .                                                                                                                                                                                                                    |
| <b>ACTIVITY LED</b>     | Here you determine whether or not the LED will be activated to indicate that the siren is operating.<br>Optional settings: <b>Disabled</b> (default) and <b>Enabled</b> .                                                                                                                                                                                            |
| <b>AUTO TAMPER ALRM</b> | Here you determine whether or not the siren alone will sound a tamper alarm when there is no communication between the siren and the control panel.<br>Optional settings: <b>Disabled</b> (default) and <b>Enabled</b> .                                                                                                                                             |

### 3. LOCAL DIAGNOSTICS TEST

Before testing, remove the plastic cover and then open the battery cover (see Fig. 2).

A. Press the self-test button once and release it; the following procedure should occur in turn:

The red LED will switch ON and then OFF, the green LED will switch ON and then OFF, the strobe light will switch ON and then OFF and the piezo siren will sound to indicate that the siren is now fully operational.

B. After 2 seconds the LED blinks 3 times.

The following table indicates received signal strength indication.

| LED response      | Reception        |
|-------------------|------------------|
| Green LED blinks  | Strong           |
| Orange LED blinks | Good             |
| Red LED blinks    | Poor             |
| No blinks         | No communication |

**IMPORTANT!** Reliable reception must be assured. Therefore, "poor" signal strength is not acceptable. If you receive a "poor" signal from the device, re-locate it and re-test until a "good" or "strong" signal strength is received.

**Note:** For detailed Diagnostics Test instructions refer to the control panel Installer Guide.

### 4 COMPLIANCE WITH STANDARDS

Compliance with Standards

**Europe:** EN50131-1 Grade 2 Class 4, EN 50131-4, EN 50131-6, EN 301489, EN 50130-4, EN 50130-5, EN 300 220, EN 60950-1, EN 60950-22  
Environmental IP55.



**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.

The technical documentation as required by the European Conformity Assessment procedure is kept at:

UNIT 6 MADINGLEY COURT CHIPPENHAM DRIVE KINGSTON MILTON KEYNES MK10 0BZ. Telephone number: 0870 7300800, Fax number: 0870 7300801



#### 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.  
Directive 2002/96/EC Waste Electrical and Electronic Equipment.

### APPENDIX: SPECIFICATIONS

**Frequency Band (MHz)**  
**Communication Protocol**  
**Siren Type**  
**Power Supply**  
**Battery Type**

**Europe and rest of world:** 868-869

PowerG

One Piezo 109 db min. Sound Pressure Level @ 1m, 1.4-3.2 kHz, sweep frequency 7 Hz. Additional piezo is optional.

Type C

Four 3.6V/3.5A/H Lithium independent cells (EVE ER18505M) assembled in two plastic wrappings and connected to the cable adaptor (see Figure 2). Visonic assembly catalog no. 103-304742.

**Note:** The strobe flashes 5 times and the red LED lights continuously during first battery installation.

**Note:** Use only the above battery.

8 years (for typical use)

Pulsed @ 1 sec.

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

304x316.5x67mm (11-7/8 x 12-1/2 x 2-5/8 in)

1200 g (42 oz)

White, blue, red, yellow (with red, blue or amber lens)

**Battery Life Expectancy**  
**Strobe Light**  
**Operating Temperature**  
**Dimensions (HxWxD)**  
**Weight (including battery)**  
**Color**



**Visonic**

INTERNET: [www.visonic.com](http://www.visonic.com)

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Refer to separate Warranty statement