

INSTALLATION CERTIFICATE

The undersigned qualified installer, attests having personally fitted the perimeter intrusion detection system on the vehicle specified below, in accordance with the manufacturer's instructions.

By :

Sold on :

Device model : 616MH

Vehicle :



**PERIMETER
INTRUSION
DETECTION SYSTEM
616MH**

**USER & INSTALLER
MANUAL**



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Made in Italy

AC2936 Rev. 00 - 11/16

1.0 - INTRODUCTORY NOTE

Dear Customer, thank you for choosing a Gemini product. This perimeter intrusion detection system has been specifically designed and manufactured for recreational vehicles to increase the level of personal safety when camping in remote areas or otherwise isolated locations.



This system is factory set and does not require any further configuration.
Do not use the setup buttons on the control unit.

2.0 - KIT CONTENTS

This kit includes the following components:

- 1 control unit
- 1 buzzer
- 6 paintable sensors
- 6 standard adapters for external mounting
- 1 ON/OFF switch
- 1 harness with wires that range from 2m to 10m
- 3 extension wire cables, 2 m long

3.0 - TECHNICAL SPECIFICATIONS

Nominal voltage	12 Vcc
Power consumption - Buzzer OFF	11.5 mA
Ultrasonic frequency	58 kHz

4.0 - OPERATION

4.1 - HOW TO ACTIVATE THE SYSTEM

To arm the perimeter sensors, press the ON/OFF switch. The system will provide an instant, automatic, self-diagnostic function.

- 2 Beeps in a row will confirm that all 6 cells are operative.
- If one of the cells is faulty, an error tone (Bop) will sound followed by the number of Beeps corresponding to the faulty cell (ex. 3 Beeps = cell N.3 is faulty).



The system will exclude any faulty cell and keep the other ones active.



Wind, heavy rain, hail, medium-sized animals, passing vehicles and objects in the immediate vicinity of the sensors will be detected.

NB: We recommend activating the sensors only while parking in isolated areas.

4.2 - HOW THE SYSTEM WORKS

Once armed via the ON/OFF switch the sensors immediately detect any movement within the protected space, up to a distance of approx. 50 cm.

You will be informed of a detection by a sequence of Beeps that will last until the system senses the alarm condition.

5.0 - INSTALLATION

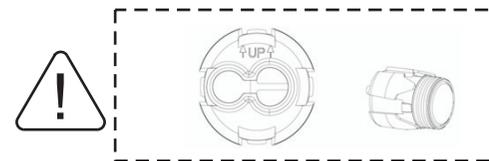
Follow the instructions given below to make sure all components are properly installed:

- **Control unit:** install inside the cabin, somewhere at the bottom of the panel adjacent to the cabin door.
- **Buzzer:** install inside the vehicle, next to the vehicle control panel above the cabin door. Use the supplied double-sided tape or screws.
- **ON/OFF switch:** install next to the buzzer.
- **Cells:** to ensure proper operation, install the cells on the plastic or metal bottom body panel, under the windows or openings to protect (storage compartments permitting), at a height of at least 45cm off the ground. To protect the entire side of the vehicle, the optimum aligned spacing between each cell should be approx. 80cm.

NB: It is mandatory to install all 6 cells.

System performance will depend on the correct positioning and angling of the cells. The cells have a detection range of approx. 50cm. Alarm conditions are signaled by a sequence of Beeps that will last until the system senses the alarm condition. **The system is factory configured, no further setup is required.**

1. Accurately calculate and mark the sensor positions.
2. Drill six 20mm diameter holes.
3. Snap the adapters into place on the outer side of the vehicle.
4. Clip the cells into the adapters with the arrow and the UP indication facing upwards.



5. Connect the cells to the wires coming out from the inner side of the vehicle. Cells are numbered according to wire length (shortest wire goes to cell 1, longest wire to cell 6). In case of need, use the supplied extension wire cables. **Use only 1 extension cable for the 3 longest wires.**

6. Secure the wires in place and bundle up any excess cables.

NB: Keep all wires away from high temperature components (ex. exhaust pipe).

6.0 - WIRING CONNECTIONS

1. **Positive:** ON/OFF supplied switch, connect the Red wire to the 12V positive.
2. **Negative:** ground the Brown wire.
3. **Buzzer:** connect to the 2-pin "Modu 2" dedicated connector.

