

INSTALLATION CERTIFICATE

The undersigned, qualified installer attests to have personally fitted the here described vehicle security device following the manufacturer instructions.

By :

Sold on :

Type of product :

Alarm :

Vehicle :

GEMINI Technologies S.p.A.

Via Luigi Galvani 12 - 21020 Bodio Lomnago (VA) - Italia

Tel. +39 0332 943211 - Fax +39 0332 948080

www.gemini-alarm.com

ISO 9001 Certified Company



7709

INSTALLATION AND USE MANUAL



Made in Italy

AC2650 Rev. 03 - 09/14



PASSIVE INFRARED 7709

Passive infrared (PIR) detector with 2 pyroelectric sensing elements to detect movement within the detection range.

Positioned in a corner of the area to be protected, it can cover an area of 10 x 10 meters.

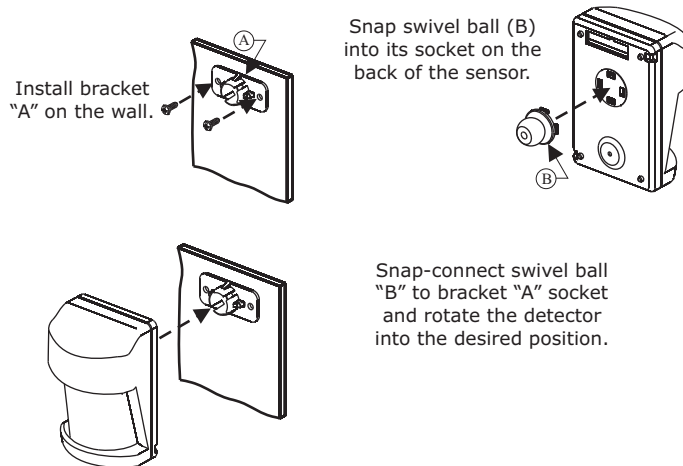
Infrared sensors are more sensible to movement in the transverse plane rather than in the frontal plane.

To avoid false alarms, do not install the PIR:

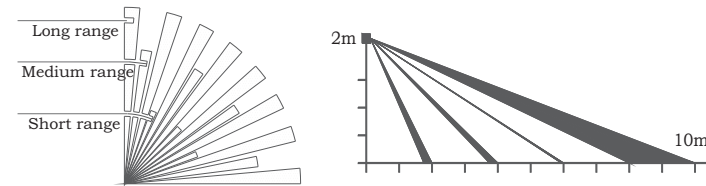
- Near forced air heating.
- Near ventilation equipment.
- On vibrating or unstable surfaces.
- Where pets have access.

INSTALLATION

After selecting the mounting location, install the PIR as follows:



Adjust the sensor taking into consideration the area to be protect and perform a system test.



OPERATION

After the PIR sensor sends an alarm signal it goes into inhibit mode for 4 seconds to maximise battery life.

The sensor will return in "operating" mode when the alarm condition is over but not before the 4 minutes have elapsed.

PROGRAMMING

To couple the sensor with the alarm unit, proceed as follows:

- Open the sensor cover by applying pressure to the top and bottom sides.
- Connect the supplied 9V alkaline battery.
- Set the alarm unit in learning mode.
- Insert the PIR jumper connector into the 2 "TX test" pins.
- Optical/acoustic signals will confirm coupling.
- Remove the PIR jumper connector inserted in the 2 "TX test" pins.
- Replace the sensor cover.

DETECTION TESTING

Test the sensor after completing installation and programming to make sure it works correctly.

Depending on the test to be carried out, insert the jumper connector as follows:

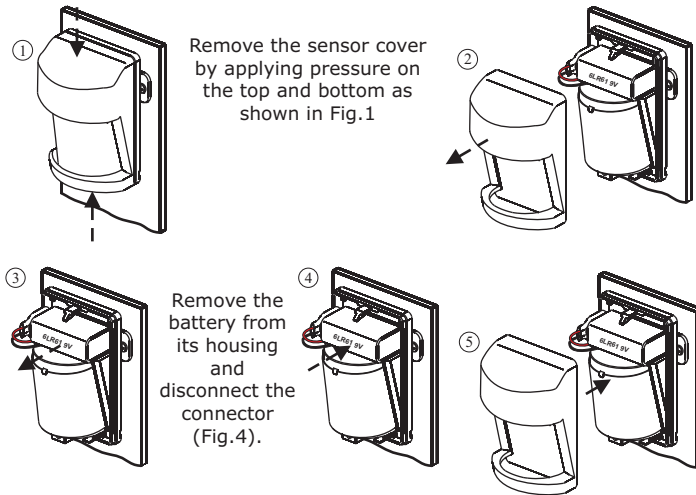
WALK TEST 	Jumper connector into "WALK TEST" mode: The LED will flash every time motion is detected. No signal is transmitted to the alarm system.
TX TEST 	Jumper connector into "TX TEST" mode: The sensor continuously transmits a signal to the alarm system.
NORMAL WORKING 	Jumper connector into "NORMAL WORKING MODE": The sensor will send a signal to the alarm system only when motion is detected.

LOW BATTERY INDICATION AND REPLACEMENT

When the battery voltage drops below 5.5V, the indicator LED will flash and the internal buzzer will sound for approx. 1 second to indicate the battery is too low.

To replace the battery proceed as follows:

- Switch the alarm system OFF.



Insert and connect a new 9V alkaline battery.
Replace the cover.



Use only **9V alkaline batteries**. Different type batteries can seriously damage the PIR sensor.
Discard used batteries properly in special dedicated containers.

TECHNICAL SPECIFICATIONS

Power supply	9V alkaline battery
Standby current	10 μ A
Operating current	6mA
Average alkaline battery life	Approx. 1 year
Detection range	10m
RF transmission range	30m
Transmission frequency	433.92MHz

WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT (WEEE) DIRECTIVE

The present device does not fall within the scope of Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE) as specified in art. 2.1 of L.D. no. 151 of 25/07/2005.