



DESCRIPTION.

GEMINI 7059

GEMINI 7059 protects the vehicle detecting attempts to break into the passengers' compartment through the emission of an electromagnetic field (frequency = 2,45 GHz).

The working of the sensor is based on the reflection of the electromagnetic waves when an object, made of a conductive material, is located on the field.

The measurement of the reflected waves detects the intrusion and triggers the alarm system connected to the sensor.

GEMINI 7059 is insensitive to air movements (wind, thermal air drift, etc.), for this reason it's suitable to be fitted on pick-up vehicles, convertible cars and vehicle equipped by a sliding sunroof.

Due to the fact that the insulating materials are transparent to the electromagnetic waves it's possible to fit the sensor module in a hidden position, e.g. under the passengers compartment carpet.

FITTING INSTRUCTIONS.

Install the sensor in a suitable position according to the vehicle model.

In any case, it's important to remember that, the high-frequency sensors cannot guarantee the complete protection of the passenger's compartment of the vehicle.

Adjust the sensitivity in order to avoid false alarm triggering, due to moving objects outside the vehicle (e.g. people, vehicles or motorbikes).

Avoid fitting the sensor under the glove box or near the coin holders and besides, avoid metallic or swinging objects inside the passenger's compartment.

The sensor Gemini 7059 can be installed under the covering of the rear seat base (turned to the front side of the vehicle) behind the dashboard or next to the roof light (under the covering of the roof)

WIRING CONNECTIONS.

GEMINI 7059 is supplied with a three wires cable ended with an AMP connector in order to obtain a fast and secure connection to the GEMINI ALARM UNITS:

PINK wire	↔	Alarm Armed power supply (+12VDC)
BROWN wire	↔	Negative power supply
GREEN/BLACK wire	↔	Alarm Trigger output

SENSITIVITY ADJUSTMENT.

GEMINI 7059 has a TRIMMER for the sensitivity adjustment from a MINIMUM value (NOT ZERO) to a MAXIMUM value and one red LED that signals the detection lightning fix for a period of 4 seconds.

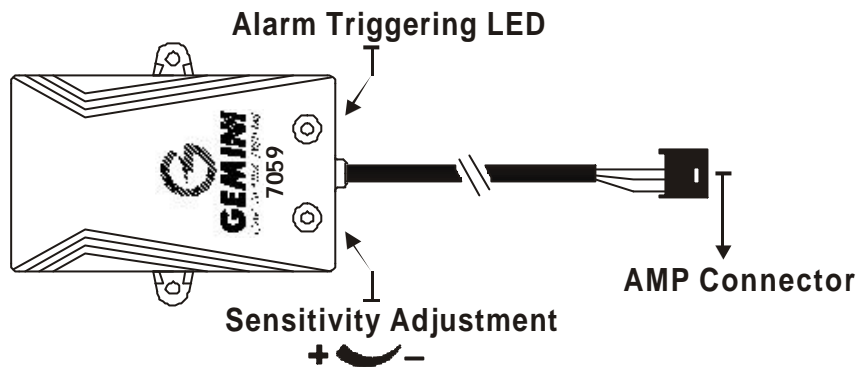
(NOTE: between an alarm condition and the following is present a delay time of 4 sec.).

Adjustment procedure:

- 1) Adjust the TRIMMER to the MAXIMUM value (clockwise).
- 2) Close all doors; windows, boot and bonnet, then arm the alarm unit connected to the sensor module. Wait till the end of the arming delay time, or set on the DIAGNOSTIC MODE (if available : e.g. on the GEMINI 7200/7300 and 7350/7203 alarm units).
- 3) Move the hands near the vehicle windows (lateral, front and rear) verifying that the sensor does not activate.
- 4) If the alarm triggers, reduce the sensitivity (anti-clockwise) and repeat the test from point 3.
- 5) If moving the hands near the windows the alarm does not trigger, disarm the unit and open one of the front windows.
- 6) Arm the alarm again or set the DIAGNOSTIC MODE and put a hand through the open window. The alarm will trigger.

TECHNICAL DATA.	
EM Field Frequency	2,45GHz \pm 2,45MHz
Operating Temperature	-40°C \div +85°C
Alarm Triggering pulse Negative	- 4 sec.
Operating Power Supply	10 \div 15VDC
Current Consumption	\leq 5mA

This device is guaranteed against construction or working faults for 12 months from purchase date and for a maximum of 24 months from manufacturing date. The manufacturer declines every responsibility for any possible defect or failure to the device and to the vehicle's electric system due to incorrect installation or to the alteration of the indicated Technical Features.



7059 Sensor - Fitting Positions

NOTE : the sensor must be fitted on the car in a central position with the TOP side (TRIMMER and LED side) turned to the internal of the passengers compartment.

