INSTALLATION MANUAL

by GEMINI TRADING S.r.l. Via Luigi Galvani 12 21020 Bodio Lomnago (VA) Italia
Tel. +39 0332 943211 - Fax +39 0332 948080
E-mail : info@gemini-alarm.com

AC 2529 - REV. 00 / 06 / 01

No forest has been destroyed to produce this 100% recycled paper.

7060
The system 7060 is an alarm unit that can be installed on vehicles with 12 volts battery (negative earth).

**FUNCTIONS**
- Remote controlled alarm unit with dynamic code.
- Blinker, universal central door locking control, electric windows and sunroof closure for selected vehicles equipped with “Pack Comfort” system.
- Perimetric protection and outlet for additional modules.
- Controls for self-powered siren, additional siren (continuous or alternate sound) and horn.
- LED’s Memory.
- Acoustic activation/de-activation (through siren or horn).
- Remote controlled panic function and / or boot opening.
- Electric engine immobilisation.
- Alarm unit functions programmable through the transmitter.

The unit is equipped with two 2-channel transmitters (art. 7208E), frequency 433.92 Mhz.

The system 7060 is an alarm unit that can be installed on vehicles with 12 volts battery (negative earth).

**USEFUL SUGGESTIONS FOR THE INSTALLATION**
- Connect always the alarm Green-Brown wire to the door pin switch.
- Avoid routing connection wires next to interference sources.
- Connect the positive and negative feeding wire of the alarm system to the battery.
- Connect the negative terminal of the battery and only re-connect after the installation is complete.

### WIRING CONNECTIONS

Disconnect the negative terminal of the battery and only re-connect after the installation is complete.

<table>
<thead>
<tr>
<th>FUNCTION</th>
<th>WIRE COLOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Earth</td>
<td>BROWN</td>
</tr>
<tr>
<td>Battery positive terminal</td>
<td>RED</td>
</tr>
<tr>
<td>Engine immobilisation</td>
<td>2 X GREY</td>
</tr>
<tr>
<td>Ignition live</td>
<td>YELLOW</td>
</tr>
<tr>
<td>Direction indicator lights</td>
<td>2 x ORANGE</td>
</tr>
<tr>
<td>Door pin switch</td>
<td>GREEN-BROWN</td>
</tr>
<tr>
<td>Boot/bonnet pin switches</td>
<td>GREEN</td>
</tr>
<tr>
<td>Positive alarm armed</td>
<td>PINK</td>
</tr>
<tr>
<td>External sensors inlet</td>
<td>GREEN-BLACK</td>
</tr>
<tr>
<td>Self-powered siren control</td>
<td>BLUE</td>
</tr>
<tr>
<td>Common +/- siren or klaxon</td>
<td>BLACK</td>
</tr>
<tr>
<td>Additional siren or horn control</td>
<td>YELLOW-BLACK</td>
</tr>
<tr>
<td>Negative control boot opening</td>
<td>GREY-BLACK</td>
</tr>
<tr>
<td>Comfort</td>
<td>WHITE-BLACK</td>
</tr>
<tr>
<td>Central door locking</td>
<td>YELLOW-BLUE, RED-BLUE, YELLOW-GREY, RED-GREY, YELLOW-BROWN, RED-BROWN</td>
</tr>
</tbody>
</table>

**Note:** The wiring harness has 2 connectors: connect the 2pin connector to the LED and the 4pin connector to an additional module (shock, ultrasonic or super-high frequency module).

![Image](image-url)
Recapitulatory table of the programmable functions through the two-channels transmitter.

<table>
<thead>
<tr>
<th>Function</th>
<th>Manufacturer function</th>
<th>Programmable function</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Additional siren outlet</td>
<td>Continuous sound</td>
<td>Alternate sound</td>
</tr>
<tr>
<td>2 Acoustic signalling</td>
<td>De-activated</td>
<td>Activated</td>
</tr>
<tr>
<td>3 Boot opening with alarm disarmed</td>
<td>De-activated</td>
<td>Activated</td>
</tr>
<tr>
<td>4 Boot opening with alarm armed</td>
<td>With alarm disarmed if the 3 functions has been activated</td>
<td>Both functions (Panic excluded)</td>
</tr>
<tr>
<td>5 Vehicle’s check</td>
<td>De-activated</td>
<td>Activated</td>
</tr>
<tr>
<td>6 Central door locking short period</td>
<td>0,5 seconds</td>
<td>1 second</td>
</tr>
<tr>
<td>7 Automatic arming</td>
<td>Activated</td>
<td>De-activated</td>
</tr>
<tr>
<td>8 Comfort</td>
<td>While closing the doors</td>
<td>After the blinker flashing</td>
</tr>
</tbody>
</table>

WORKING DESCRIPTION

- **ALARM ARMING**: press on the transmitter’s button N. 1. One pulse of the direction indicator lights signals the arming.

- **EXCLUSION OF THE VOLUMETRIC SENSOR, EXTERNAL SENSORS AND COMFORT CONTROL AFTER THE ALARM ARMING**: while alarm armed (even if the boot opening function with alarm armed is activated), during the inhibit time (Led lightning fix) press on the transmitter 2 button. The exclusion is signalled by one pulse of the direction indicator lights, the comfort function and the sensors are excluded. This function de-activates at the first arming of the alarm.

- **ALARM DISARMING**: press on the transmitter’s button N. 1. The disarming is signalled through 3 pulses of the direction indicator lights or 5 pulses if an alarm condition has occurred.

SPECIAL FUNCTIONS

SELF-LEARNING OF THE CODE OF A NEW TRANSMITTER.
The self-learning of a new transmitter can be obtained with two different ways:

1. While alarm disarmed set the dip switch N.3 to ON and turn the ignition key to ON. The Led and the direction indicator lights activate. Turning the ignition key to OFF the Led and the direction indicator lights switch off. Press on the new transmitter button N. 1 within 8 seconds. For each new code it is necessary to turn the ignition key to ON for one second and then to OFF. At the end of the self-learning operation set the dip switch N.3 to OFF.

2. While alarm disarmed, open the driver’s door, turn the ignition key to ON and press on the coded transmitter button N. 2. The Led and the direction indicator lights activate. Turning the ignition key to OFF the Led and the direction indicator lights switch off. Press on the new transmitter’s button N. 2 within 10 seconds. For each new code it is necessary to turn the ignition key to ON for one second and then to OFF. At the end of the self-learning operation, after 10 seconds the system works normally.

NOTE: the system is supplied with a maximum number of 3 transmitters.

AUTOMATIC ARMING
To obtain this function set the dip switch N. 2 to ON. 60 seconds after the disarming of the alarm, if the doors and the boot are not opened and the ignition key is not turned to ON, the system will arm with or without closing the vehicles doors (according to setting of the set-up 7 function).

REMOTE CONTROLLED BOOT OPENING.
The alarm unit 7060 allows opening the vehicle boot if the control is electric to negative. To obtain this function select the set-up 3 function and press on the transmitter button N. 2 with the alarm disarmed.

If the boot opening is carried out pressing on the transmitter 2 button with the alarm armed (after selecting the set-up 4 function), the panic function will de-activate and all the inlets inhibit for 60 seconds. If the boot is not closed within this delay time the alarm will trigger. The opening of the boot through the transmitter is signalled by one pulse of the direction indicator lights.

PANIC FUNCTION
To obtain this function with the alarm armed after the neutral time, press on the transmitter button N. 2 (if the 4 function- boot opening with alarm armed is de-activated). The siren, the klaxon and the direction indicator lights activate. To de-activate this function within the 10 seconds of the alarm cycle, press on the transmitter button N. 2.

LEDS MEMORY.
While disarming the alarm, turn the ignition key to ON to check if an attempted break-in has occurred. Following the Led flashing it is possible to know the alarm triggering’s cause. The signalisation is repeated for 5 times.

<table>
<thead>
<tr>
<th>Signalling LED</th>
<th>Alarm triggering</th>
<th>Alarm cycle</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LED OFF</strong> (2 seconds)</td>
<td>Door and boot/bonnet pin switches.</td>
<td>10</td>
</tr>
<tr>
<td><strong>LED ON</strong> (1 second)</td>
<td>Ignition live</td>
<td>Unlimited</td>
</tr>
<tr>
<td><strong>LED ON</strong></td>
<td>External sensors</td>
<td>10</td>
</tr>
</tbody>
</table>

TRANSMITTERS BATTERY DISCHARGING
The discharging of the battery is signalled through the LED of the transmitter. If the LED flashes while pressing one of the transmitter’s buttons it is necessary to replace the batteries.

BATTERIES: CR1616

Note: put the batteries in the appropriate container.

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Power supply</th>
<th>10.5-14.5 V dc</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working temperature</td>
<td>-40°C + 85°C</td>
</tr>
<tr>
<td>Max. Current drawn alarm OFF</td>
<td>15 mA (with self-powered siren connected)</td>
</tr>
<tr>
<td>Transmitters frequency</td>
<td>433.92 MHz</td>
</tr>
<tr>
<td>Direction indicator lights relay contact capability</td>
<td>8A dc</td>
</tr>
<tr>
<td>Engine immobilisation relay contact capability</td>
<td>8A dc</td>
</tr>
<tr>
<td>Outlet horn relay contact capability</td>
<td>8A dc</td>
</tr>
<tr>
<td>Central door locking relay contact capability</td>
<td>8A dc</td>
</tr>
</tbody>
</table>

GEMINI 7147

DESCRIPTION.
GEMINI 7147 is 2 wires, high power electronic siren designed to be installed quickly and simply in the engine compartment.

WIRES CONNECTIONS (for the installer)
Disconnected the negative terminal of the battery and only re-connect after the installation is complete.

WIRE COLOUR | FUNCTION
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>RED</td>
<td>Battery positive terminal (12V)</td>
</tr>
<tr>
<td>BLACK</td>
<td>To the alarm YELLOW BLACK wire</td>
</tr>
</tbody>
</table>

NOTE: connect the BLACK wire of the unit to earth.

INSTALLATION.
Install the siren in the engine compartment using the bracket and the screws supplied with the kit. Install the siren away from areas of intense heat and turn to low the siren ear trumpet to avoid water infiltration. Protect the wires from water and humidity and to avoid any damaging do not steam clean directly to the siren.
GEMINI 7025

DESCRIPTION.
Gemini 7025 is a self-powered, high power, electronic siren studied to install in the vehicle’s engine compartment. To install the siren in the engine compartment use the bracket and the screws supplied with the kit and follow the fitting instructions.
Install the siren on the vehicles bodywork away from areas of intense heat.

<table>
<thead>
<tr>
<th>WIRE COLOUR</th>
<th>FUNCTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLACK marked RB</td>
<td>Battery positive terminal</td>
</tr>
<tr>
<td>BLACK marked MB</td>
<td>Battery negative terminal</td>
</tr>
<tr>
<td>BLACK marked S</td>
<td>To the alarm PINK wire</td>
</tr>
<tr>
<td>BLACK marked R</td>
<td>To the alarm RED wire</td>
</tr>
<tr>
<td>BLACK marked L</td>
<td>To the alarm BLUE wire</td>
</tr>
</tbody>
</table>

NOTE: connect the BLACK wire of the unit to earth.

WIRING CONNECTIONS (for the installer)
Disconnect the negative terminal of the battery and only re-connect after the installation is complete.

WIRE COLOUR | FUNCTION          |
-------------|------------------|
RED          | Battery positive terminal |
BLACK        | Battery negative terminal |
BLUE         | To the alarm YELLOW-BLUE wire |

NOTE: connect the BLACK wire of the unit to earth.

TECHNICAL DATA
- Power supply: 12V
- Current absorption alarm ON: 3mA
- Current absorption alarm OFF: 7mA (recharging battery)
- Audible tone: > 118dB

NOTE: To avoid any damaging do not steam clean directly to the siren.

GEMINI 725

DESCRIPTION.
Gemini 725 is a self-powered, high power, electronic siren studied to install in the vehicle’s engine compartment. To install the siren in the engine compartment use the bracket and the screws supplied with the kit and follow the fitting instructions.
Install the siren on the vehicles bodywork away from areas of intense heat.

<table>
<thead>
<tr>
<th>WIRE COLOUR</th>
<th>FUNCTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>RED</td>
<td>Battery positive terminal</td>
</tr>
<tr>
<td>BLACK</td>
<td>Battery negative terminal</td>
</tr>
<tr>
<td>BLUE</td>
<td>To the alarm YELLOW-BLUE wire</td>
</tr>
</tbody>
</table>

NOTE: connect the BLACK wire of the unit to earth.

WIRING CONNECTIONS (for the installer)
Disconnect the negative terminal of the battery and only re-connect after the installation is complete.

TECHNICAL DATA
- Power supply: 12V
- Current absorption: 7mA (recharging battery)
- Audible tone: > 118dB

Note: to avoid any damaging do not steam clean directly to the siren.

This device is guaranteed against any manufacturing or working fault for 12 months from purchase date. The manufacturer declines every responsibility for any defect or failure to the device and to the electric plant of the vehicle due to an incorrect installation or to the alteration of the technical data stated in this manual.
Fitting diagram
ref. 7060
Push-button 2
Push-button 1

Optional

External Sensor inlet

YELLOW-BLUE
RED-BLUE
YELLOW-GREY
RED-GREY
YELLOW-BROWN
RED-BROWN

Refer to central door locking diagrams

GREEN-BROWN

Door pin switches

Boot/Bonnet pin switch

GREEN

SIREN POSITIONING

Supplementary siren Gemini 7147 and Gemini 7060 interface

Emergency Push-button

Battery 12 VOLT

Comfort

Direction indicators lights

Engine immobilisation

Black Common (+/-) for siren or clacson
NOTE: negative control for siren

Self-Powered Siren

Control for supplementary siren or clacson

Participant:
Diagram 2

- YELLOW-BLUE
- RED-BLUE
- YELLOW-GREY
- RED-GREY
- YELLOW-BROWN
- RED-BROWN

Common, Comune, Comun, Je nuch Z.V.
Open, Apre, Ouvre, Auf, Apertura, Abre
Close, Chiude, Fermare, Zu, Cierre, Fecha
Not connected, Non collegare, No conectar, Nicht verbinden

EX: ALFA, FIAT, FORD, LANCIA, OPEL, PEUGEOT, RENAULT, SAAB, SEAT, VW POLO (95-99)

Diagram 3

- YELLOW-GREY
- RED-GREY
- YELLOW-BROWN
- RED-BLUE
- RED-BROWN
- YELLOW-BLUE

COMPRESSOR

EX: AUDI 80, MERCEDES 190

Diagram 4

Yellow-grey
RED-GREY
RED-BROWN
YELLOW-BROWN
YELLOW-BLUE

EX: RENAULT TWINGO (<2000)

Diagram 5

YELLOW-GREY
RED-GREY
RED-BROWN
YELLOW-BROWN
YELLOW-BLUE
GREEN
RED-BLUE
BLUE

EX: HONDA CIVIC 5p (96), PRELUDE (96), HYUNDAI LANTRA (96), ACCENT (96), GALLOPER (98)
Diagram 6

EX: DAEWOO NEXIA, OPEL FRONTERA (<99).

Diagram 8

AUDI 100, MERCEDES WITH PACK-COMFORT SISTEM (<96).

Diagram 7

EX: BMW 3(<98), 5(<96), 7-8(96), Z3(97+)

Diagram 9

EX: AUDI A4, A6(<96), OPEL VECTRA(<96), OMEGA, SEAT TOLEDO (<96)
Self-powered siren 7025 with 7060 interface

Self-powered siren 725 with 7060 interface

NOTE: The Black wires have the identification mark in the end.

Supplementary siren Gemini 7147 and Gemini 7060 interface

SIREN POSITIONING

Emergency Push-button

Emergency Push-button

Self-powered siren 7025 with 7060 interface

Self-powered siren 725 with 7060 interface

Supplementary siren Gemini 7147 and Gemini 7060 interface

NOTE: The Black wires have the identification mark in the end.