

### INSTALLATION CERTIFICATE

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

By :

Sold on :

Type of product :  931 PSA

Vehicle :



# 931 PSA

## INSTALLATION AND USE MANUAL



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Made in Italy

AC 2793 Rev. 00 - 09/10



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### 1.0 - PRELIMINARY ADVICE

Dear Customer, the present manual illustrates the 931 PSA CAN enabled alarm system, custom designed for Peugeot/Citroën vehicles.

Throughout this manual specific operating modes or connections are highlighted by the following signs:



#### For the user.

This sign highlights useful information.



#### For the installer.

This sign indicates that the functioning of the system can vary according to connections and programming of the system or it simply provides useful indications for the installation.

### 2.0 - WARRANTY CONDITIONS

This product is guaranteed to be free from manufacturing defects for a period of 24 months from the installation date shown on this warranty, in compliance with the directive 1999/44/CE.

Please fill-in entirely the guarantee certificate included in this booklet and do NOT REMOVE the guarantee label from the device.

The warranty will become void if labels are missing or torn, if the installation certificate is not fully compiled or if the enclosed sale document is missing.

The guarantee is valid exclusively at Authorized Gemini Technologies S.p.A. Centers.

The manufacturer declines any responsibility for eventual malfunctions of the device or any damage to the vehicle electrical system due to improper installation, use or tampering.

This alarm system is solely intended to be a theft-deterrent device.

## USER MANUAL

### 3.0 - OPERATING DESCRIPTION

#### 3.1 - COMPLETE SYSTEM ARMING

Press the lock button on the original remote control of the vehicle; the system arming is confirmed by the LED turned on steady for 30" (pre-arming "neutral time").

#### 3.2 - ARMING INHIBIT TIME

System inhibit arming time lasts approximately 30 seconds and is indicated by the status LED on; it is possible to exit the vehicle without triggering any alarm.

#### 3.3 - SYSTEM ARMED

After the inhibit time the system is "armed" and ready to detect any theft attempt. When the system is fully armed, the LED flashes.

#### 3.4 - ALARM, INHIBIT TIME BETWEEN ALARMS AND ALARM CYCLES

The system theft attempts is indicated by the system with optic signals (turn indicators) and acoustic signals (vehicle horn).

After the alarm has been triggered, but before another alarm starts, there are 5" of "neutral time". The alarm signalling has 10 cycles of 30" each for input and system arming cycles.

#### 3.5 - SYSTEM DISARMING

Press the unlock button on the original remote control of the vehicle; the system disarming is confirmed by the status LED off (blinking).

If an alarm has occurred, the LED starts flashing when ignition key is turned "ON" to signal the last alarm type.

See relative paragraph (3.6) for possible causes and signals.



To disarm the system in case of emergency (remote control out of order), simply turn ignition key "ON" with system armed.

This type of disarming can ONLY be done with the vehicle ORIGINAL KEY.

#### 3.6 - ALARM MEMORY

As previously mentioned, the LED memory allows you to identify the last alarm cause.

After disarming the system, turn the ignition key "ON" and look at the vehicle status LED; the blinks indicates the last alarm condition.

The optic signals are repeated 3 times; to interrupt, turn ignition key "OFF".

The alarm trigger signals and relative causes are indicated in the table below.

LED SIGNALS	ALARM CAUSES	Nr. OF ALARM CYCLES
* * * ● * * *	Starting attempt (+15/54)	10
* * * * ● * * * *	Doors opening	10
* * * * * ● * * * * *	Bonnet opening	10
* * * * * * ● * * * * * *	Volumetric sensor	10
● LED OFF (2 seconds)   * LED ON (1 second)		

# INSTALLER MANUAL

For the system to work properly, the “original alarm installed” feature (BSI unit) must first be enabled via the specific diagnostic tester available at any authorized Peugeot-Citroën dealer (PSA group).

Moreover, this type of system DOES NOT require that you program the vehicle code, it is already factory-registered by Gemini.

**NEVER PRESS THE PROGRAMMING BUTTON LOCATED NEXT TO THE UNIT BUILT-IN LED**

## 4.0 - CONNECTORS TABLES

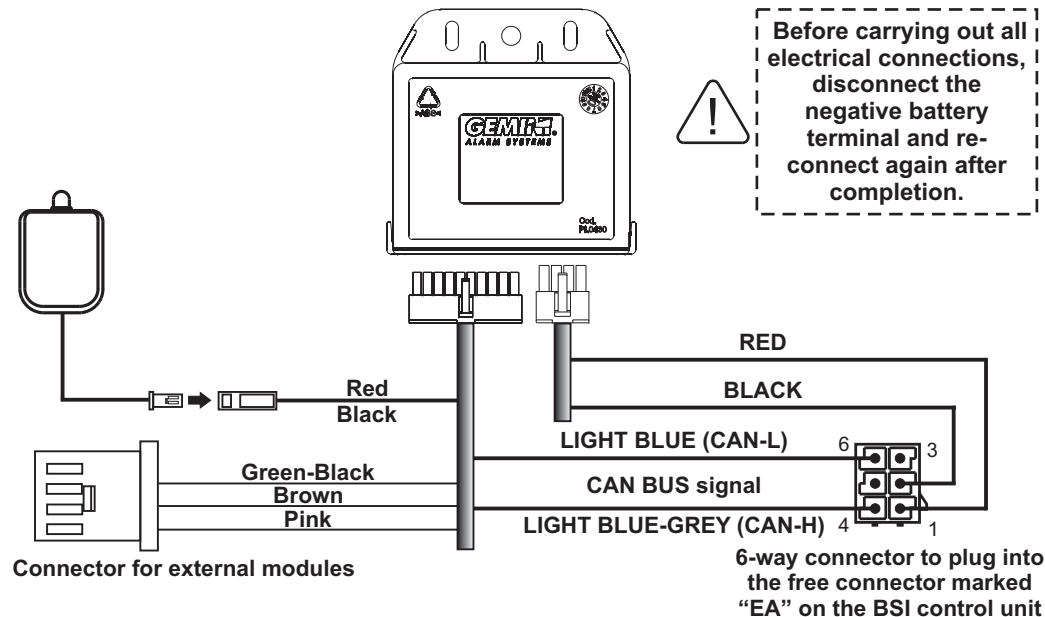
### 4.1 - 20-WAY CONNECTOR

POSITION	WIRE FUNCTION	WIRE COLOUR
- 1 -	----	----
- 2 -	----	----
- 3 -	----	----
- 4 -	----	----
- 5 -	----	----
- 6 -	----	----
- 7 -	Grund for external sensor connector	BROWN
- 8 -	LED negative output	BLACK
- 9 -	LED positive output	RED
- 10 -	----	----
- 11 -	CAN BUS signal (CAN-H)	LIGHT BLUE-GREY
- 12 -	CAN BUS signal (CAN-L)	LIGHT BLUE
- 13 -	Positive output with system armed (+A)	PINK
- 14 -	External sensor negative input	GREEN-BLACK
- 15 -	----	----
- 16 -	----	----
- 17 -	----	----
- 18 -	----	----
- 19 -	----	----
- 20 -	----	----

### 4.2 - 8-WAY CONNECTOR

POSITION	WIRE FUNCTION	WIRE COLOUR
- 1 -	Ground	BLACK
- 2 -	----	----
- 3 -	Positive	RED
- 4 -	----	----
- 5 -	----	----
- 6 -	----	----
- 7 -	----	----
- 8 -	----	----

## 5.0 - COMPLETE ELECTRIC DIAGRAM



## 6.0 - ULTRASONIC VOLUMETRIC PROTECTION

### 6.1 - CONNECTIONS AND POSITIONING

Insert the WHITE connector in the the “W” socket on the control unit.

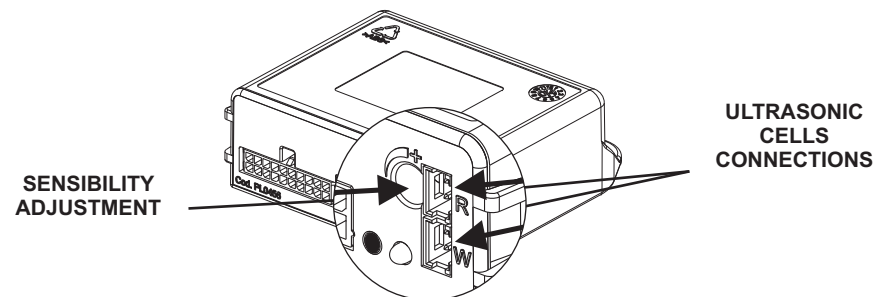
Insert the RED connector in the “R” socket on the control unit.

Install the transducers of the ultrasonic sensors on the top part of the windscreen internal pillars, away from the aeration inlets and orient them towards the center of the rear window.

### 6.2 - SENSOR ADJUSTMENT

o check sensors proceed as follows:

- With system disarmed, roll down the front window approx. 20 cm.
- Set the trimmer on the control unit to the middle position.
- Close doors, bonnet and boot and arm the system.
- During the system inhibit arming time, introduce an object in the cabin and move it around; the status LED will turn off to signal a presence.
- If sensibility level is too low, adjust trimmer again and repeat above procedure.



### 7.0 - DIRETTIVA RIFIUTI DI APPARECCHIATURE ELETTRICHE ED ELETTRONICHE (RAEE)

Nell'Unione Europea, questa etichetta indica che, questo prodotto, non deve essere smaltito unitamente ai rifiuti domestici ma deve essere depositato presso un impianto adeguato ed in grado di eseguire le operazioni di recupero, smaltimento e riciclaggio (normative 2002/95/CE, 2002/96/CE e 2003/108/CE).

Per le informazioni sulle procedure di riciclaggio responsabile di questo prodotto nel proprio Paese visitare il sito: [www.eur-lex.europa.eu](http://www.eur-lex.europa.eu)



SOLO  
CONTENITORI  
APPROPRIATI

### 8.0 - CARATTERISTICHE TECNICHE

Tensione nominale	12 Vdc
Assorbimento di corrente @ 12Vdc a sistema inserito e LED lampeggiante	15 mA
Range temperatura di funzionamento	Da -30°C a +70°C
Durata di un ciclo d'allarme	30 sec.

### 7.0 - WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT (WEEE) DIRECTIVE

Nelln the European Union, this lable indicated that this product should not be disposed of with household waste. It should be deposited at an appropriate facility to enable recovery and recycling (directive 2002/95/CE, 2002/96/CE and 2003/108/CE).

For information on how to recycle this product responsibly in your Country, please visit the web-site: [Www.eur-lex.europa.eu](http://Www.eur-lex.europa.eu)



APPROPRIATE  
CONTAINER ONLY

### 8.0 - TECHNICAL SPECIFICATIONS

Power supply	12 Vdc
Current absorption @ 12Vdc with system armed and LED flashing	15 mA
Working range temperature	Da -30°C a +70°C
Alarm cycle duration	30 sec.