



7060

INSTALLATION MANUAL



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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



GEMINI
CAR ALARM SYSTEMS



AC 2529 - REV. 00 / 06 / 01



DESCRIPTION

GEMINI 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.

USEFUL SUGGESTIONS FOR THE INSTALLATION

- Connect the positive and negative feeding wire of the alarm system to the battery.
- Connect always the alarm Green-Brown wire to the door pin switch.
- On catalysed vehicles the engine immobilisation must be carried out on the fuel pump and the starter motor.
- Avoid routing connection wires next to interference sources.
- The ultrasonic heads must be positioned at the top of each windscreen pillar and must be pointing at each opposite diagonal corner away from the facia outlets.

WIRING CONNECTIONS

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

FUNCTION		WIRE COLOR
Earth	⇒	BROWN
Battery positive terminal	⇒	RED
Engine immobilisation (max. 10 A)	⇒	2 X GREY
Ignition live	⇒	YELLOW
Direction indicator lights	⇒	2 x ORANGE
Door pin switch	⇒	GREEN-BROWN
Boot/bonnet pin switches	⇒	GREEN
Positive alarm armed	⇒	PINK
External sensors inlet	⇒	GREEN-BLACK
Self-powered siren control	⇒	BLUE
Common +/- siren or klaxon	⇒	BLACK
Additional siren or horn control	⇒	YELLOW-BLACK
Negative control boot opening	⇒	GREY-BLACK
Comfort	⇒	WHITE-BLACK
Central door locking	⇒	YELLOW-BLUE, RED-BLUE, YELLOW-GREY, RED-GREY, YELLOW-BROWN, RED-BROWN

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).

"DIP SWITCHES PROGRAMMING TABLE"

1	OFF	Comfort POSITIVE	
2	ON	Comfort NEGATIVE	
2	OFF	Automatic arming OFF	
2	ON	Automatic arming ON	
3	OFF	Self-learning of a new code OFF (normal use)	
3	ON	Self-learning of a new code ON	
4	OFF	Closure short * period	
4	ON	Closure 6 seconds	

* **THE SHORT TIME IS SET FROM THE PROGRAMMING WITH THE TWO-CHANNELS TRANSMITTER BETWEEN 0,5 SECONDS AND 1 SECOND.**
ATTENTION: SET THE DIP SWITCHES BEVOR FEEDING THE 7060 UNIT.

TABLE OF PROGRAMMABLE FUNCTIONS THROUGH THE TWO-CHANNELS TRANSMITTER.

ACTIONS	ALARM CONDITION	VISIBLE ACTIONS	LED FLASHING AND SELECTED FUNCTIONS	ALTERNATIVE ACTIONS
POWER OFF	Alarm OFF	-	-	-
Turn the ignition key to ON	Alarm OFF	-	-	-
FEED THE UNIT 7060	Alarm ON	-	-	-
Press on the transmitter 1 button within 10 seconds	Access to the Set-up 1 function: Supplementary siren	One blinker flashing	One flashing = continuous Two flashing = intermittent	Press on the transmitter button N. 2 to change the selected option. De-activate the +15 to memorise the selected options and to exit from User set-up.
Press on the transmitter 1 button	Access to the Set-up 2 function: acoustic signalling with supplementary siren <u>725</u>	Two blinker flashing	One flashing = de-activated Two flashing = activated	
Press on the transmitter 1 button	Access to the Set-up 3 function: Panic and boot opening through the transmitter	Three blinker flashing	One flashing = Panic and additional siren Two flashing = Boot opening	
Press on the transmitter 1 button	Access to the Set-up 4 function: boot opening while alarm armed (Panic excluded)	Four blinker flashing	One flashing = While alarm disarmed Two flashing = For both functions	
Press on the transmitter 1 button	Access to the Set-up 5 function: vehicle check while arming the system	Five blinker flashing	One flashing = de-activated Two flashing = activated	
Press on the transmitter 1 button	Access to the Set-up 6 function: closure control period	Six blinker flashing	One flashing = 0,5 seconds Two flashing = 1 seconds	
Press on the transmitter 1 button	Access to the Set-up 7 function: Automatic arming with door closure	Seven blinker flashing	One flashing = activated Two flashing = de-activated	
Press on the transmitter 1 button	Access to the Set-up 8 function: Comfort	Eight blinker flashing	One flashing = while closing Two flashing = after the closure	
Turn the ignition key to OFF	Set-up exit, normal working of the alarm	-	-	-

Recapitulatory table of the programmable functions through the two -channels transmitter.			
	Function	Manufacturer function	Programmable function
1	Additional siren outlet	Continuous sound	Alternate sound
2	Acoustic signalling	De-activated	Activated
3	Boot opening with alarm disarmed	De-activated	Activated
4	Boot opening with alarm armed	With alarm disarmed if the 3 functions has been activated	Both functions (Panic excluded)
5	Vehicle's check	De-activated	Activated
6	Central door locking short period	0,5 seconds	1 second
7	Automatic arming	Activated	De-activated
8	Comfort	While closing the doors	After the blinker flashing

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.

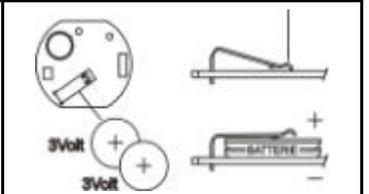
While disarming the alarm, turn the ignition key to ON to check if an attempted break-in has occurred. Following the Led flashing it is possible to know the alarm triggering's cause. The signalisation is repeated for 5 times.

Signalling LED	Alarm triggering	Alarm cycle
* * ● * * *	Door and boot/bonnet pin switches.	10
* * * ● * * *	Ignition live	Unlimited
* * * * ● * * * *	External sensors	10
● LED OFF (2 seconds) * LED ON (1 second)		
Each alarm cycle is 30 seconds		
The inhibit time is 30 seconds for all alarm triggering's cause.		

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

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

GEMINI 7147

DESCRIPTION.

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

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 (12V)
BLACK	⇒	To the alarm YELLOW-BLACK wire.

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.

WIRING CONNECTIONS (for the installer)		
Disconnect the negative terminal of the battery and only re-connect after the installation is complete.		
<i>WIRE COLOUR</i>		<i>FUNCTION</i>
BLACK marked RB	↔	Battery positive terminal
BLACK marked MB	↔	Battery negative terminal
BLACK marked S	↔	To the alarm PINK wire
BLACK marked R	↔	To the alarm RED wire
BLACK marked L	↔	To the alarm BLUE wire
NOTE: connect the BLACK wire of the unit to earth.		
Connect one end of the BLACK initialled V wire to the bonnet pin switch and the other end to the alarm GREEN wire.		
NOTE: To disarm the alarm unit and the engine immobilisation, turn the siren key to off. The internal battery recharges with alarm disarmed.		

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.

WIRING CONNECTIONS (for the installer)		
Disconnect the negative terminal of the battery and only re-connect after the installation is complete.		
<i>WIRE COLOUR</i>		<i>FUNCTION</i>
RED	↔	Battery positive terminal
BLACK	↔	Battery negative terminal
BLUE	↔	To the alarm unit YELLOW-BLACK wire
NOTE: connect the BLACK wire of the unit to earth.		

INSTALLATION.

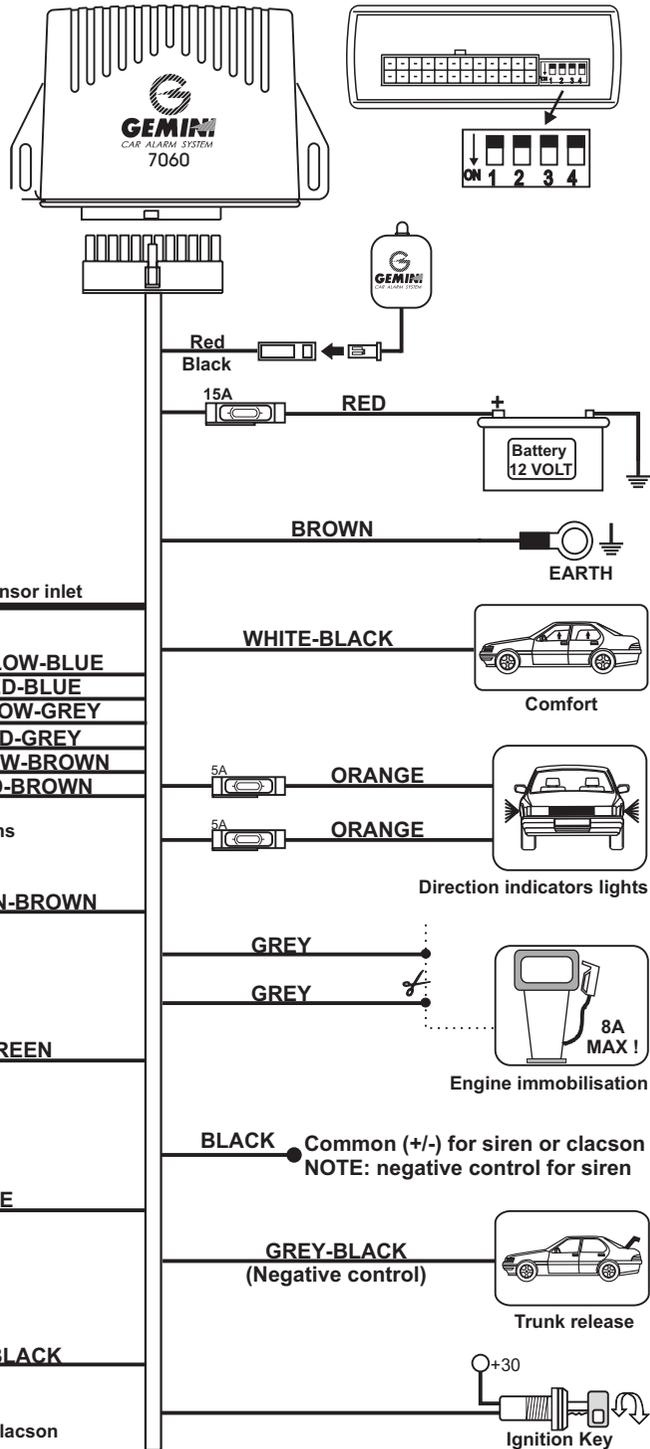
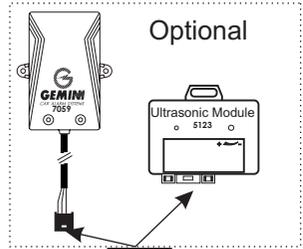
Install the siren in the engine compartment away from areas of intense heat using the bracket and the screws supplied with the kit.

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

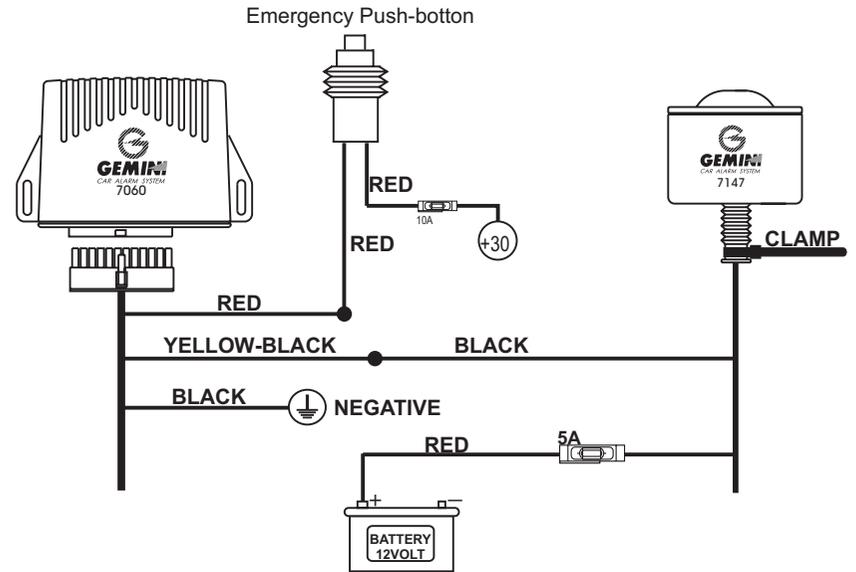
Note: to avoid any damaging do not steam clean directly to the siren.

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**



Supplementary siren Gemini 7147 and Gemini 7060 interface



SIREN POSITIONING

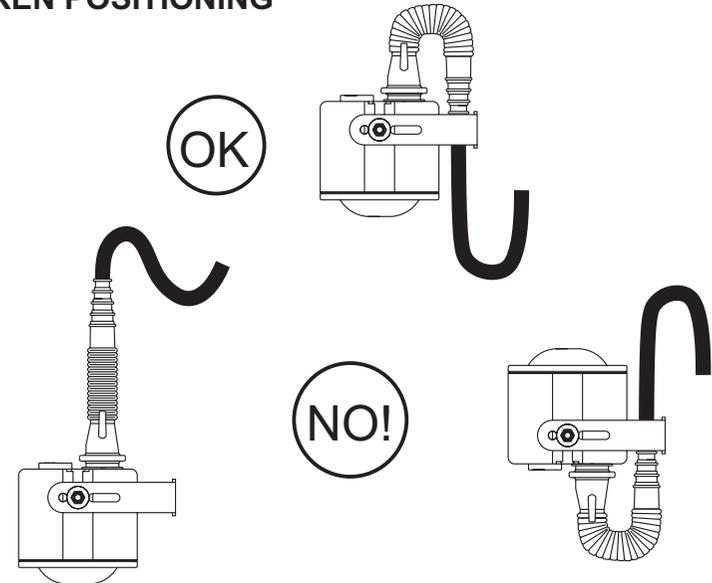
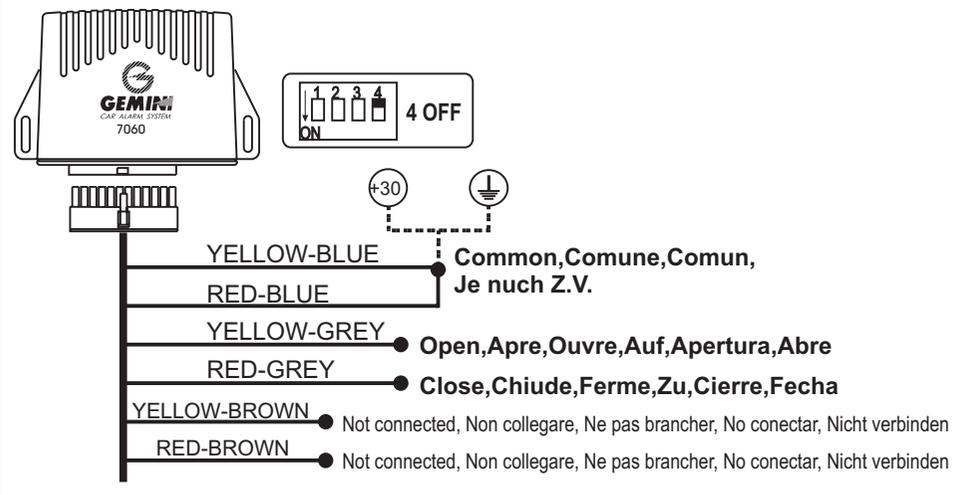
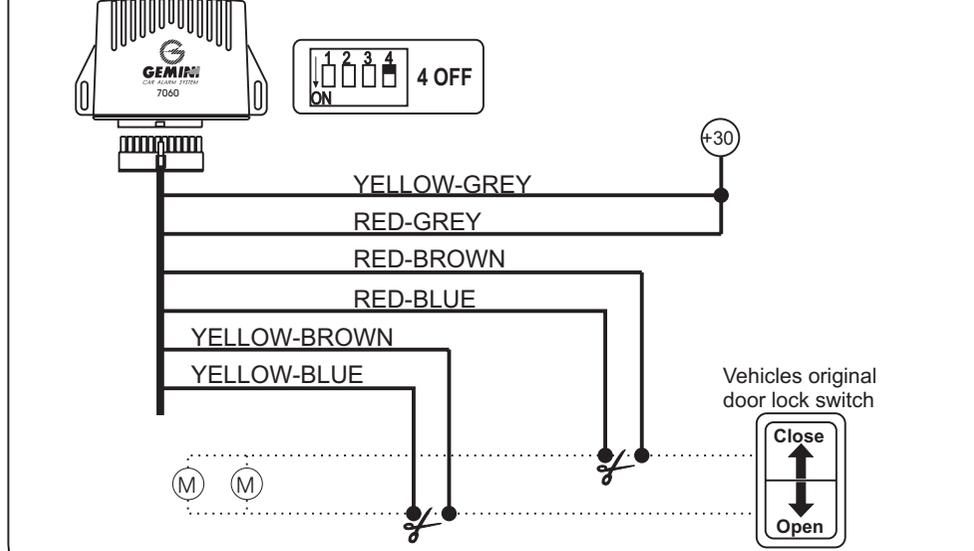


Diagram 2



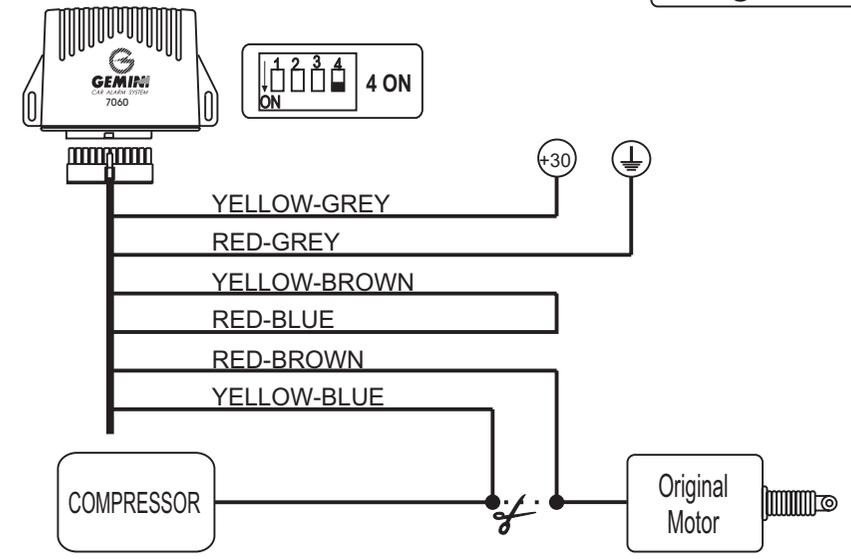
EX : ALFA,FIAT,FORD,LANCIA,OPEL,PEUGEOT,RENAULT,SAAB,SEAT,VW POLO(95-99)

Diagram 4



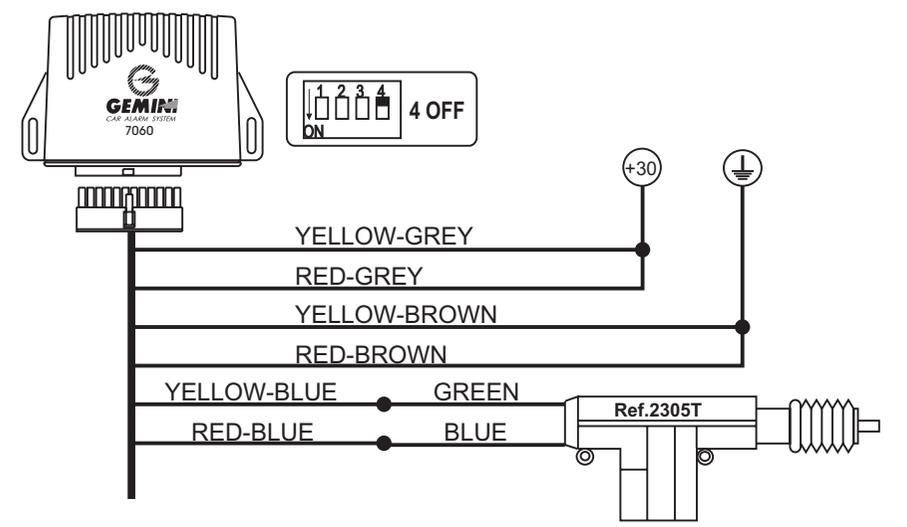
EX : RENAULT TWINGO (<2000)

Diagram 3



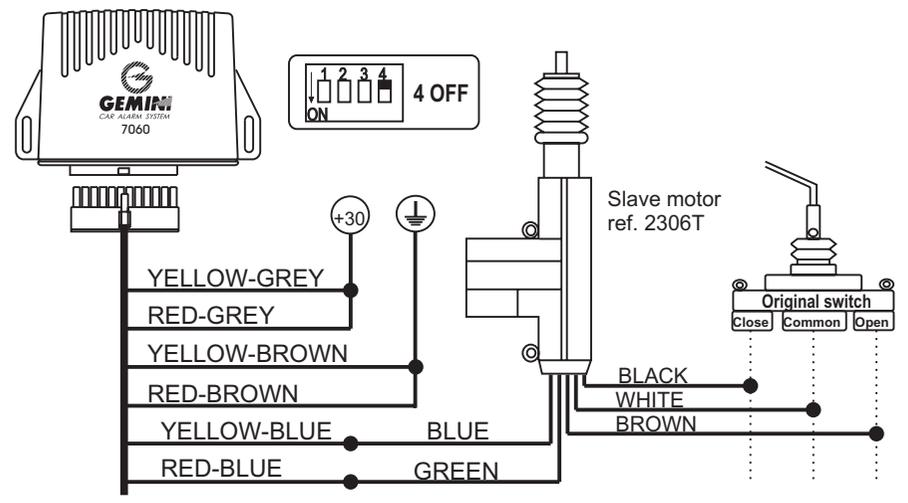
EX : AUDI 80, MERCEDES 190

Diagram 5



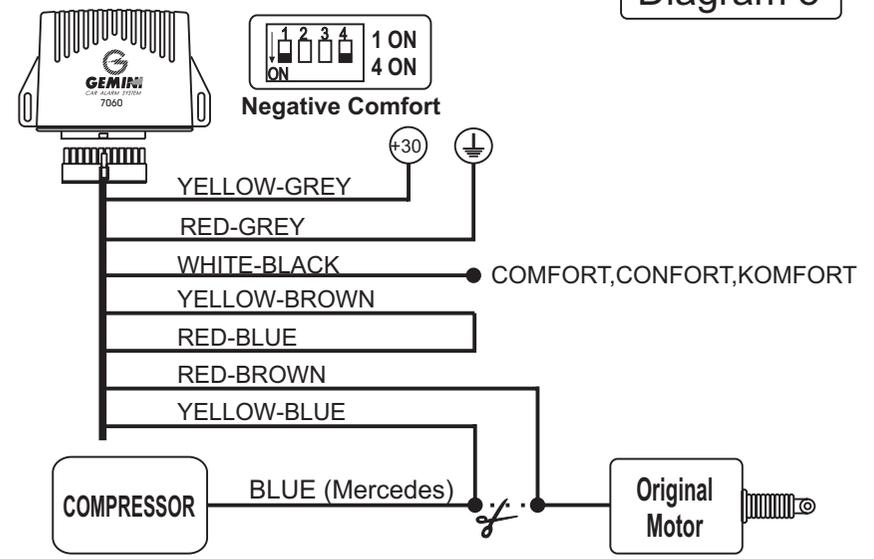
EX : HONDA CIVIC 5p(96) PRELUDE(96),HYUNDAI LANTRA(96),ACCENT(96),GALLOPER(98)

Diagram 6



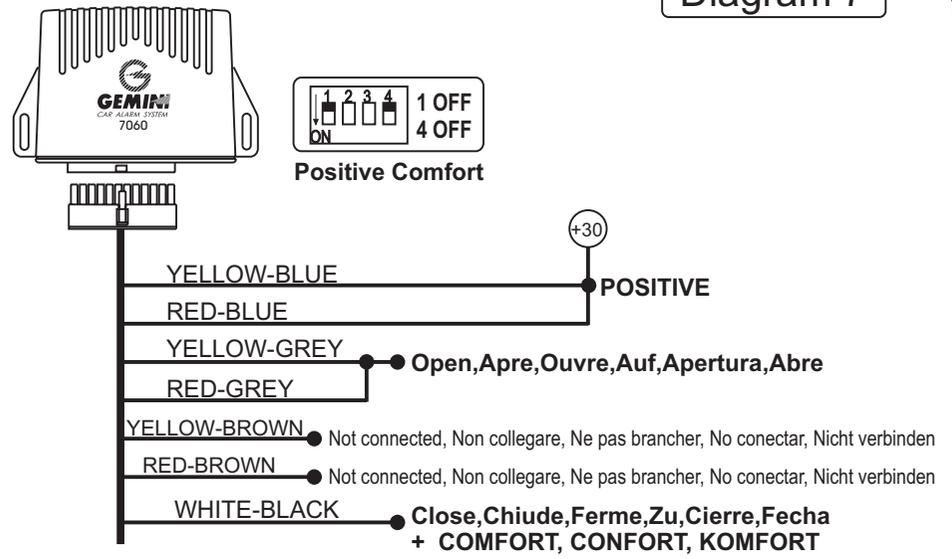
EX : DAEWOO NEXIA, OPEL FRONTERA (<99).

Diagram 8



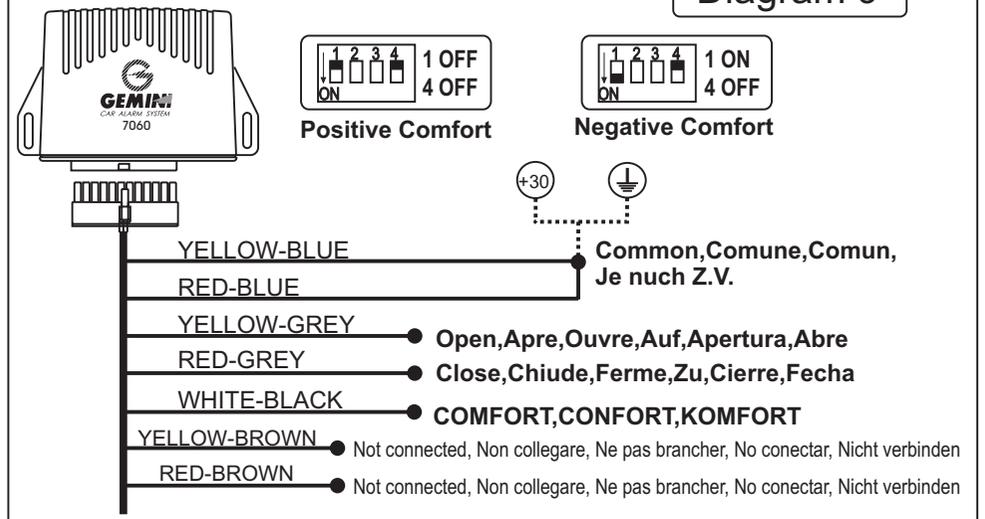
AUDI 100, MERCEDES WITH PACK-COMFORT SYSTEM (<96).

Diagram 7



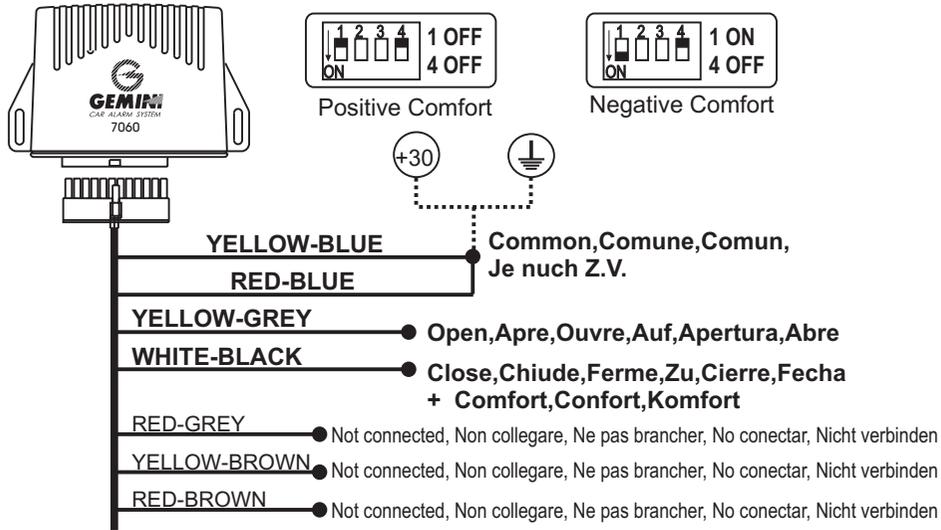
EX : BMW 3(<98), 5(<96), 7-8(96), Z3(97>)

Diagram 9



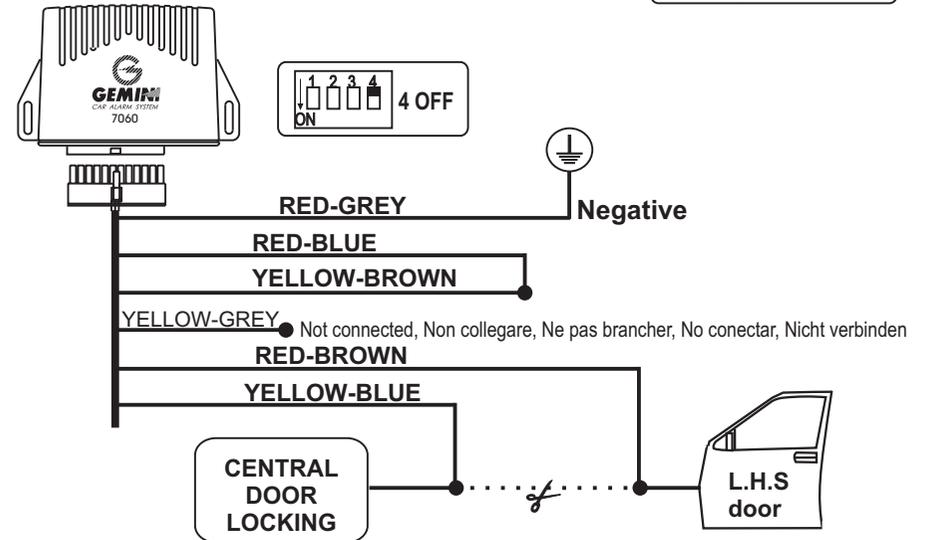
EX : AUDI A4, A6 (<96), OPEL VECTRA (<96), OMEGA, SEAT TOLEDO (<96)

Diagram 10



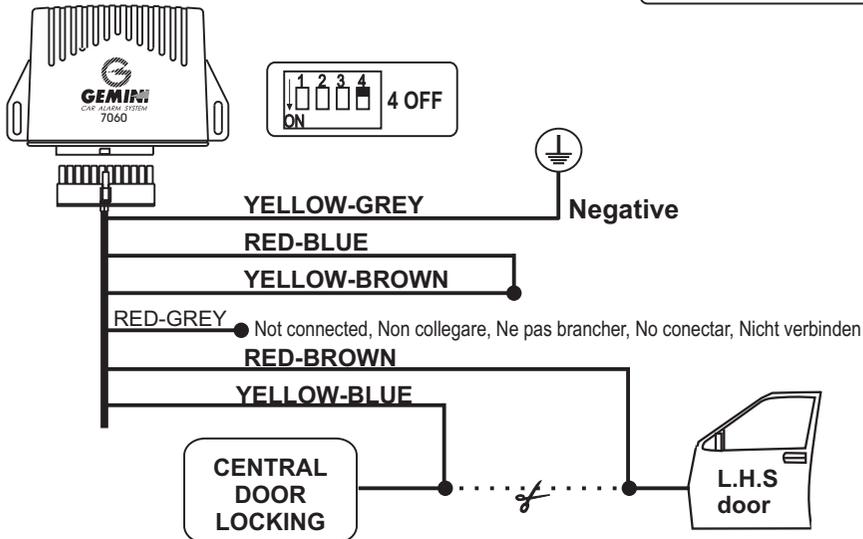
EX: AUDI A3, A6(97>), BMW 3(98), 5(96>), OPEL ASTRA(98), SKODA OCTAVIA, VW GOLF, PASSAT

Diagram 23



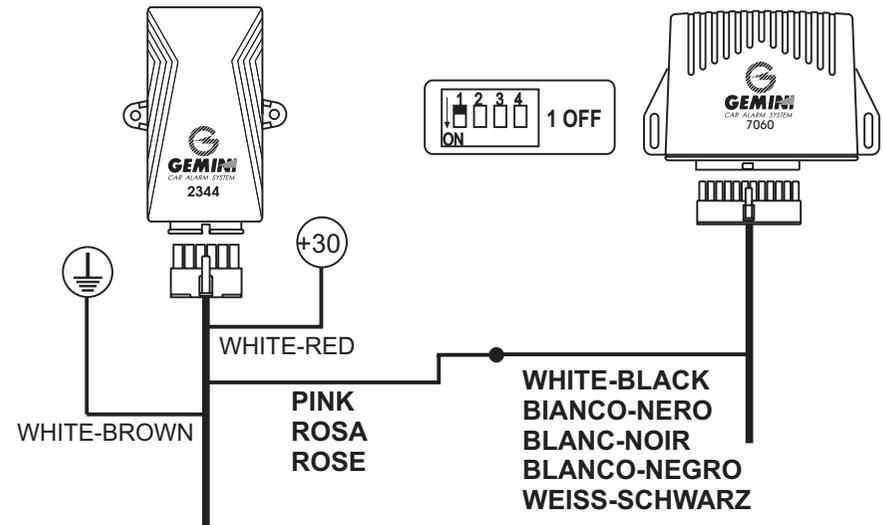
EX : CITROEN XSARA, FIAT ULISSE (98), LANCIA Z (98), PEUGEOT 206, 306, 406.

Diagram 22

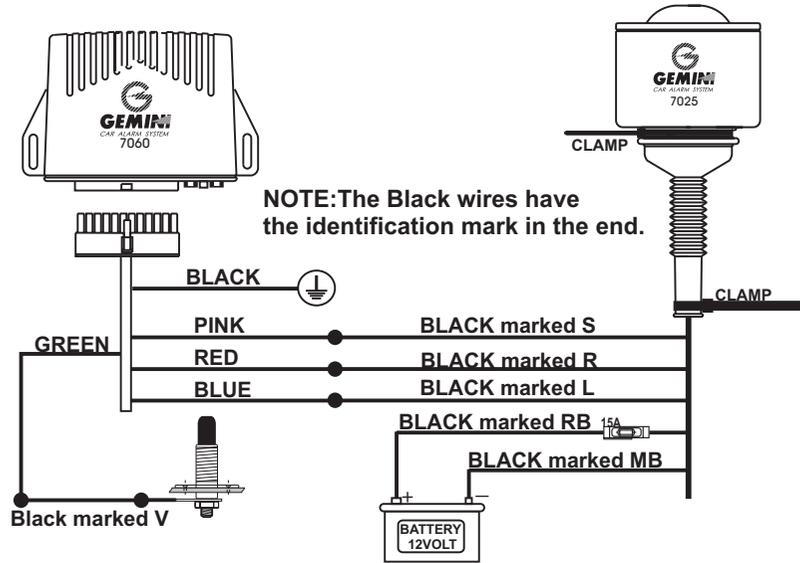


EX : NISSAN MICRA(>97), PRIMERA, SUBARU FORESTER, SUZUKI IGNIS, JIMMY.

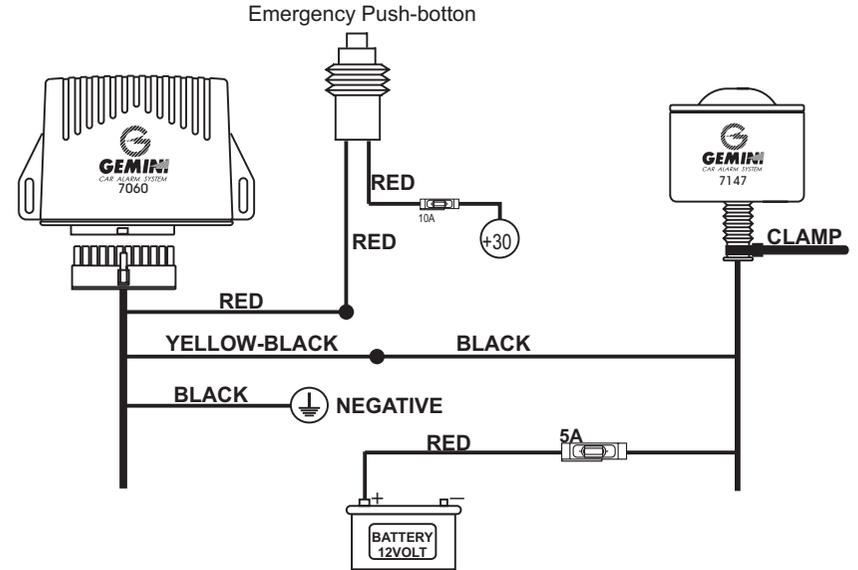
Gemini 2344 or 2343 and Gemini 7060 interface



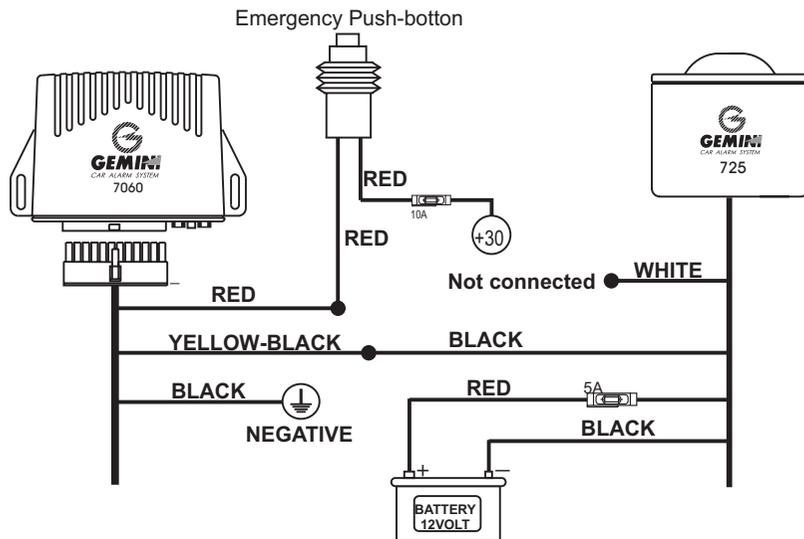
Self-powered siren 7025 with 7060 interface



Supplementary siren Gemini 7147 and Gemini 7060 interface



Self-powered siren 725 with 7060 interface



SIREN POSITIONING

