

# GEMINI 1104



Gemini 1104 is a kit supplied with two coded transmitters, electronic siren and inclination sensor.  
**Gemini 1104 offers the following protections:**  
 - engine immobilisation obtained by the interruption of an electric circuit that controls the engine.  
 - against any lifting by an inclination sensor.

## OPERATION (for end user)

Pushing the **BLACK** button or the hand held transmitter will switch on the alarm. The module must be mounted in a part of the motorvehicle protected against water. The arming signal is acknowledged by a single pulse on the hazard lights circuit. At the same time the engine immobilisation circuit will be activated. There are different exit delay periods for each type of activation — see Table A — before the alarm becomes armed. After the arming period has elapsed, the alarm is ready to be triggered. The siren will sound and the hazard light will set flash. This will continue for a period of 30 seconds and then the unit will switch off and automatically re-set after a further 10 seconds. In case of continuous triggering, the alarm condition will occur as shown in Table A.

The alarm can be de-activated at any time by operating the **BLACK** button of the transmitter. The hazard lights will signal 3 off 1 second pulses if no alarm conditions have occurred. If the alarm has been triggered, the hazard lights will signal 5 off 1 second (alarm has memory of an attempted "break-in"). When the system is armed you can activate the panic alarm by pressing the **RED** transmitter button. The siren and hazard lights circuit will be activated for 10 seconds.

## PRE-INSTALLATION CHECKS

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

## TECHNICAL DATA

- Power supply 12 VDC
- Current draw 10 mA
- Working temperature — 30 + 65° C
- Engine immobilisation relay contacts capacity 15 A
- Visual signalling relay contacts capacity 10 A
- Alarm period 25 <> 30 Sec.

TABLE A

EXIT DELAY TIME	ENTRY SENSOR	NO. OF ALARM CYCLES
5 sec.	Ignition live	unlimited
5 sec.	Inclination sensor	unlimited

## CODE CABLES COLOURS

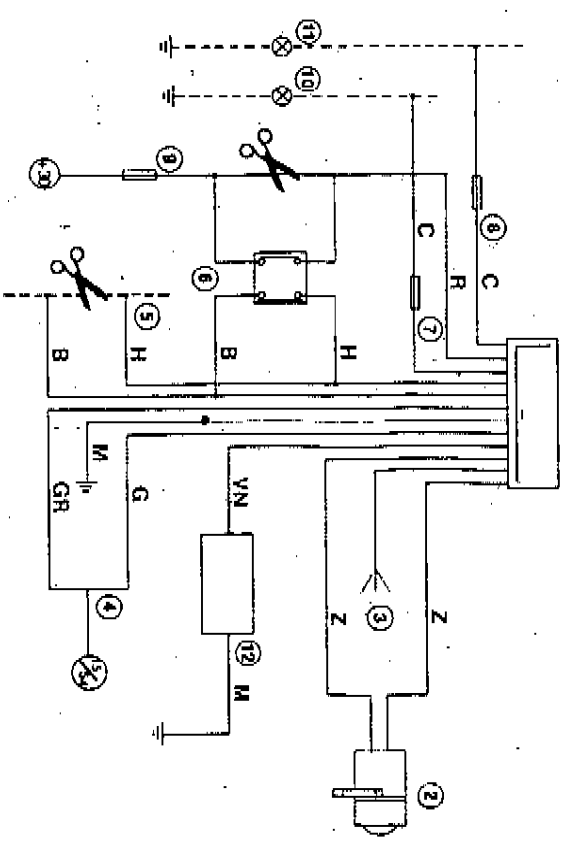
I	GB	F.	D	E	P	NL
B Bianco	White	Blanc	Weiß	Bianco	Blanco	Wit
C Arancio	Orange	Orange	Orange	Narancja	Laranja	Oranje
G Giallo	Yellow	Giallo	Gelb	Arcilla	Amarelo	Gedel
H Grigio	Grey	Grigio	Grü	Grigio	Griza	Gris
M Marrone	Brown	Marron	Braun	Marron	Marron	Bruin
R Rosso	Red	Rosso	Rot	Rouge	Vermelho	Rood
Z Verde	Verde	Verte	Grün	Verde	Verde	Paars
GR Verde-Fosco	Yellow-Red	Jaune-Rouge	Gelb-Rot	Amarelo-Fusco	Amarelo-Vermelho	Geel-Rood
VN Verde-Azzurro	Green-Black	Vert-Noir	Grün-Schwarz	Verde-Negro	Verde-Preto	Green-Zwart

## WIRING INSTRUCTIONS

- A) **POSITIVE ALARM FEED.** Connect the **RED** wire to the positive terminal of the battery using the 15 A fuse as supplied.
- B) **NEGATIVE POWER FEED.** Connect the **BROWN** wire directly to the negative terminal of the battery.
- C) **IGNITION LIVE engine immobilisation.** Connect the **YELLOW-RED** wire to a positive ignition feed. **This wire must be fed also whilst starting the engine.** It is important to connect this wire because it is necessary for the engine starting.
- D) **IGNITION LIVE.** Connect the **YELLOW** wire to a positive ignition feed. It is important to connect this wire as it prevents the alarm from being operated with ignition on or engine running.
- E) **HAZARD LIGHTS.** Locate left and right indicator wires and connect one **ORANGE** wire to each using 5 A fuseholders as supplied.
- F) **ENGINE IMMOBILISATION.** This function is obtained by locating the engine starting wire. Refer to the vehicle workshop manual. Cut this wire, connect one side to **GREY** wire and the other side to the **WHITE** wire. **Remember to connect the alarm YELLOW wire (see points C and D).**
- G) **OUTLET FOR ELECTRONIC SIREN.** Connect the two **VIOLET** wires to the **VIOLET** wires of the siren. Note that these wires can be connected only with the siren of the kit.
- H) **SENSOR INLET.** Connect the **GREEN-BLACK** wire to the **GREEN-BLACK** wire of the inclination sensor. Connect the **BROWN** wire of the inclination sensor to a good stable body earth.

## DIAGRAM KEYS

- 1 Alarm unit Gemini 1104.
- 2 Gemini 1104 siren.
- 3 Aerial.
- 4 Ignition live (15A fuse).
- 5 Engine immobilisation circuit.
- 6 Emergency de-activator (toggle switch).
- 7 Right hand direction indicator 5 A fuse.
- 8 Left hand direction indicator 5 A fuse.
- 9 Positive lead 15 A fuse.
- 10 Right hand direction indicator.
- 11 Left hand direction indicator.
- 12 Inclination sensor.



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