



931T MH

USER MANUAL



Made in Italy

AVS: Rev 08/16

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1.0 - PRELIMINARY ADVICE

Dear Customer,

Thank you for choosing a GEMINI product. This new 931T MH CAN BUS alarm system has been designed and manufactured in Italy specifically for recreational vehicles. Please read the present manual carefully to familiarize yourself fully with the alarm system features and operating procedures and do keep it handy for future reference.

NB: Optional Gemini remote controls (product codes 938 and 848) are available to operate the alarm system and the CDL, only where negative CDL connection is available .



For the user.

This sign highlights useful information.

USER MANUAL**2.0 - OPERATING DESCRIPTION****2.1 - COMPLETE SYSTEM ARMING**

Press the lock button on the vehicle original remote control or button 1 on optional Gemini remote control; system arming is confirmed by a beep and a flash of the turn indicators (if features are enabled).

The system has a 30" pre-arming "neutral time" (arming delay) during which the LED is ON steady.

2.2 - SYSTEM ARMING WITH SENSOR EXCLUSION

The system can be armed without activating internal volumetric protection (wireless infrared or wireless hyperfrequency) while keeping perimeter protection. To do so proceed as follows:

- Make sure the system is disarmed and ignition key is "OFF";
- Insert the electronic key into its receptacle*; the LED will give a quick flash;
- Close vehicle doors and press the lock button on the vehicle original remote control*;
- System activation is confirmed by a beep and a flash of the turn indicators (if features are enabled).

NB:* With the optional Gemini remotes, simply press Button 3 once all doors are closed.



Sensor exclusion is bound to each single arming cycle.

2.3 - PASSIVE ARMING

If programmed to passively arm, the system will do so approx. 60" after ignition is switched OFF and after the last door is opened and closed. A beep and a flash of the turn indicators will confirm the armed state (if features are enabled).



If passive arming is enabled, internal sensors are excluded. Opening a door 60" before the system is armed causes the procedure to interrupt; it will resume once the door is closed.

2.4 - ARMING DELAY

There is a 30" delay from the time the system is armed to allow you to leave the vehicle without triggering any alarm; it is signaled by the LED turned ON steady.

2.5 - SYSTEM ARMED

After the delay time the system is armed and ready to detect any alarm condition. The LED will start flashing when the system is fully armed.

2.6 - ALARM, INHIBIT TIME BETWEEN ALARMS AND ALARM CYCLES

Alarm conditions are signaled by optical signals.

Once the alarm ceases, there is a 5" time-interval before another alarm goes off. Each alarm event generates 10 alarm cycles of 30" each, for each input and for each arming cycle. During an alarm event, the system can be disarmed via the remote controls.

2.7 - SYSTEM DISARMING

Press the unlock button on the vehicle original remote control or button 2 on the optional Gemini remote. System disarming is confirmed by 2 beeps and 2 flashes of the turn indicators (if features are enabled).

Five beeps and five flashes of the turn indicators, when the system is disarmed (if features are enabled), warn there has been an alarm condition prior to disarming. Alarm causes and relative LED signals are listed in par. 2.9.

2.8 - EMERGENCY DISARMING BY ELECTRONIC KEY

This disarming mode is used for "EMERGENCY DISARMING" and "TOTAL DISARMING".



To restore normal operation, touch electronic key to its receptacle. A high pitched beep and a flash of the status LED will confirm that the system is back to normal mode.

2.9 - ALARM MEMORY STATUS

Five beeps and five flashes of the turn indicators, when the system is disarmed (if features are enabled), warn there has been an alarm condition prior to disarming. To identify the last cause of alarm, turn ignition key "ON" and count the number of flashes of the status LED; they will indicate the last alarm detected. Optical signals are repeated 3 times in a row; to interrupt, turn ignition key "OFF".

The table below lists the various alarm causes and relative number of LED flashes.

LED FLASHES	ALARM CAUSES	ALARM CYCLES
* * ● * *	Ignition attempt (+15/54)	10
* * * ● * * *	Door opening	10
* * * * ● * * * *	Bonnet opening	10
* * * * * ● * * * * *	Boot opening	10
* * * * * * ● * * * * * *	Volumetric or external sensor	10
* * * * * * * ● * * * * * * *	Wireless magnetic contacts or opening detectors	10
* * * * * * * * ● * * * * * * * *	Wireless infrared sensors (PIR) or wireless hyperfrequency sensors	10
● LED OFF (2 seconds) * LED ON (1 second)		

3.0 - WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT (WEEE) DIRECTIVE

The present device does not fall within the scope of Directive 2002/96EC on Waste Electrical and Electronic Equipment (WEEE) as specified in art. 2.1 of L. D. No. 151 of 25/07/2005.

4.0 - TECHNICAL SPECIFICATIONS

Power supply	12 Vdc
Current absorption @ 12Vdc with system armed and LED flashing	15 mA
Working temperature range	From -30°C to +70°C
Turn signals relay contact capacity	8 A at 20°C
Alarm cycle duration	30 sec.
Maximum positive current output - system armed (+A)	700 mA

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 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. Service 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.

Homologation number 7590T2 Cat 2-1:

TQA428



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AVS reserve the right to effect changes to the product without further notice. E&OE

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