

INSTALLATION CERTIFICATE

The undersigned qualified installer, attests having personally fitted the GPS system on the vehicle specified below, following the manufacturer's instructions.

By :

Sold on :

Product type :

Vehicle :

Signature

.....

Homologation number: AI-00 0112

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ISO 9001 Certified Company



**7892 MyMINI
INSTALLATION AND
USE MANUAL**



Made in Italy

AC 2690UK Rev.10 - 01/17



CONTENTS

USER MANUAL

- 1.0 - GENERAL ADVICE
- 2.0 - OPERATION
- 3.0 - ALARMS
 - 3.1 - Displacement alarm
 - 3.2 - Ignition detection alarm
 - 3.3 - Battery tamper alarm
 - 3.4 - Generic alarm (yellow-green wire)
- 4.0 - SUMMARY TABLE OF ALARM MESSAGES
- 5.0 - MESSAGES FROM AND TO THE SYSTEM
 - 5.1 - Initial configuration
 - 5.2 - STOP & GO activation command
 - 5.3 - STOP & GO deactivation command
 - 5.4 - Vehicle localization command
 - 5.5 - Tracking command (vehicle movement)
 - 5.6 - Speed control command
 - 5.7 - Engine stop activation command
 - 5.8 - Engine stop deactivation command
 - 5.9 - SIM validity check command (frequency)
 - 5.10 - Periodic position control command
 - 5.11 - System arming command
 - 5.12 - System disarming command
 - 5.13 - System status request command
 - 5.14 - Auxiliary input configuration command
- 6.0 - EXAMPLE OF MyGTRACK MANAGEMENT
 - 6.1 - System configuration
 - 6.2 - Vehicle localization
- 7.0 - VEHICLE PARKING
- 8.0 - MESSAGE OVERVIEW
- 9.0 - WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT (WEEE) DIRECTIVE

INSTALLER MANUAL

- 10.0 - GENERAL INSTALLATION ADVICE
- 11.0 - SIM CARD
- 12.0 - ANTENNA CONNECTIONS
- 13.0 - ELECTRICAL CONNECTIONS
- 14.0 - SYSTEM CONFIGURATION
- 15.0 - CONTROL UNIT INSTALLATION AND MAINTENANCE
- 16.0 - OPTICAL SIGNALS
- 17.0 - TECHNICAL SPECIFICATIONS
- 18.0 - AUXILIARY INPUT CONFIGURATION



USER MANUAL

1.0 - GENERAL ADVICE

Dear Customer,

thank you for purchasing this self-managed MyGTRACK GPS system designed and manufactured in Italy by GEMINI Technologies.

Please read the present manual carefully to fully take advantage of all the security features offered by the system and avoid triggering false alarms which use up your SIM credit.

If the MyGTRACK is set up with a prepaid SIM card, periodically check on your balance to make sure you always have enough credit and use the "validity check" automatic feature (see message chapter).

Keep note of your Password as you will need it to communicate with the system.

2.0 - OPERATION

In case of theft, you can receive an SMS message with the vehicle current position and immobilize the engine by sending an SMS to the system.

Moreover, by connecting the YELLOW-GREEN wire (negative signal in alarm, par. 18.0), the system will send an ALARM message to the first preset number.

See the message overview table for the available functions and system arming/disarming modes (par. 8.0).

NB: The **Google Maps** link is only applicable to devices labeled as follows:

- 7892My01 => Rev.10 and higher.
- 7892My11 => Rev. 05 and higher.



3.0 - ALARMS

3.1 - DISPLACEMENT ALARM

The system provides protection against possible displacement attempts of the vehicle when ignition is turned off (ex. towing) and the system disarmed.

When ignition is switched back "ON", the system compares the current position with the position recorded upon last switch-off.

If they differ (value above the factory set, unalterable, tolerance), the system will send the user an alarm message.

The P.P.C. function (par. 5.10) allows tracking vehicle position while the system is armed.

⚠ ATTENTION

The "last valid position" is the vehicle last recorded position (lat., long., time and date) when ignition key is turned OFF.

The recorded position remains unvaried until ignition is turned back ON or in case of an alarm or if the "periodic position control" command is activated (the last two conditions are only available if the system is armed).

3.2 - IGNITION DETECTION ALARM

⚠ ATTENTION

This alarm is only triggered if the "system arming" command **on#password#** has been previously sent (par. 5.11 or 8.0) or if the system has been armed via the **aux#password#n** command (par 5.14 or 8.0).

If someone breaks in the vehicle while the system is armed and attempts to turn ignition ON, the system sends an alarm message.

After the message is sent to the 1st preset number, the system checks the alarm source. If still active, it will be inhibited (ex. ignition key "ON"). If not active (ex. ignition key "OFF") it will be restored to guarantee protection again.

3.3 - BATTERY TAMPER ALARM

⚠ ATTENTION

This alarm is only triggered if the "system arming" command **on#password#** has been previously sent (par. 5.11 or 8.0) or if the system has been armed via the **aux#password#n** command (par 5.14 or 8.0).

The system provides protection against power source and wiring tampering. An alarm will be triggered and an alarm message will be sent if power supply is cut-off.

3.4 - GENERIC ALARM (connection of yellow-green wire)

⚠ ATTENTION

Transmission of a generic alarm message is subject to connection of the dedicated wire and system configuration by the installer.

When the message is sent, the system checks the alarm source. If still active, it will be inhibited (i.e. door still open). If not active (i.e. door closed), it will be restored to guarantee protection again.

4.0 - SUMMARY TABLE OF ALARM MESSAGES

In case of an alarm condition, the system sends a text message to the user indicating the type of alarm (see table below).

ALARM	IGNITION KEY		SYSTEM STATUS		PHONE		REF.
	ON	OFF	ARMED	DISARMED	1st number	2nd number	PAR.
Position (last stop)	●			●	●	●	3.1
Start		●	●		●	●	3.2
Power cut		●	●		●		3.3
Position (PPC*)		●	●		●	●	5.10 and 8.0
Alarm (AUX input= 0)	●	●	●	●	●		3.4, 5.14 and 18.0

* Periodic Position Control.

Ignition detection, displacement (P.P.C.) and power cut-off alarms are subject to tracker activation via SMS message or configuration of auxiliary input for system arming via an external module.

The available configurations of the auxiliary input are detailed in par. 18.0.

All text messages provide vehicle position coordinates, speed, date and time.

An "over speed alarm" can also be forwarded to the 1st number only, when the system is disarmed and ignition key is ON (par. 5.6).

5.0 - MESSAGES FROM AND TO THE SYSTEM

Before configuring the module, familiarize yourself with the available commands to interact with the system.

System management SMS (commands) are forwarded to the same mobile from which they have been sent (except tracking and vehicle immobilization confirmation messages).

Alarm messages are forwarded to the preset mobile numbers.

⚠ ATTENTION

The code for requesting vehicle speed, position and SIM validity must be a 3-digit number (default setting "000", three zeros).

⚠ ATTENTION

If a text message is sent with a wrong command, the system will reply with an error notification message (command error).

NB: The time given by the system is based on Greenwich Mean Time (GMT).

5.1 - INITIAL CONFIGURATION:

setup#password#version#main phone number#new password#emergency phone number#

The initial configuration command must be sent to the tracker to notify "password", system "model" and "number" to which alarm SMS must be forwarded, where:

-setup#: configuration command.

-password#: factory set password "000000" (six zeros).

⚠ ATTENTION

The **new password** must be a 6-digit code and can contain both numbers and letters (i.e.: AA1234 or aa1234). The password is key-sensitive therefore by typing characters other than the ones entered (upper and lower case letters are not equivalent), the system will not operate properly. **Commands** can either be sent with capital or small letters.

-version#: system model (in this case MINI).

-main phone number#: number to which alarm SMS will be forwarded **always preceded by the international country code (+44 for UK)**.

-new password#: user-chosen password (**6 digit-code mandatory**).

-emergency phone number#: 2nd number to which alarm SMS will be forwarded (optional, entering can be omitted).

When SMS is received, the LED blinks rapidly 5 times and the system replies: **setup ok with password=new password.**



⚠ ATTENTION

The system can be configured with the "STOP & GO" feature (SMS message when ignition is turned ON or OFF, see par. 5.2, 5.3 or 8.0).

5.2 - STOP & GO ACTIVATION COMMAND:

setup#password#can#main phone number#new password#emergency phone number##

Upon reception of SMS, the system replies:

setup ok with password= new password.

Every time ignition key is turned ON, user will receive the following SMS:

Key On GPS status; latitude; longitude; speed; time; date.

Every time the ignition key is turned OFF, user will receive the following SMS:

Key Off GPS status; latitude; longitude; speed; time; date.

5.3 - STOP & GO DEACTIVATION COMMAND:

setup#password#can#main phone number#new password#emergency phone number#s#

Upon reception of SMS, the system replies: **Setup ok with password= new password.** By sending this command, the user will no longer receive a message every time ignition key is turned ON or OFF.

5.4 - VEHICLE LOCALIZATION COMMAND:

loc#password#

After the request, the system replies: system status (armed or disarmed), GPS status; latitude; longitude; speed; time; date.

5.5 - TRACKING COMMAND (VEHICLE MOVEMENT):

trk#password#

After the request, the system sends 6 SMS (approx. 1 every 90 seconds, the 1st one to the sender and the other 5 to the main preset number), indicating: GPS status; latitude; longitude; speed; time; date.

5.6 - SPEED CONTROL COMMAND:

speed#password#060

Code "060" indicates the speed expressed in km/h. If this speed is exceeded for more than 20 sec., the system forwards a speed alarm SMS (with vehicle position, time, date, etc). When ignition is turned OFF, a 2nd SMS will be forwarded with the maximum speed reached. If the maximum speed is exceeded for less than 20 sec., the system will only send an over speed alarm message when engine is turned off. These messages are only sent to the 1st preset number. To avoid receiving this message, set speed "000" (three zeros).



5.7 - ENGINE STOP ACTIVATION COMMAND:

stop#password#

At this request, the system sends a confirmation message to the sender.
When engine is cut-off (vehicle stopped with GPS speed zero) the system will send an SMS, to both numbers, indicating engine stop and vehicle position (latitude; longitude; speed; time; date.).

5.8 - ENGINE STOP DEACTIVATION COMMAND:

go#password#

When engine stop is deactivated, the system sends an SMS to the user to confirm operation.

⚠ ATTENTION

Engine stop can ONLY be deactivated with an SMS.

5.9 - SIM VALIDITY CHECK COMMAND (FREQUENCY):

pol#password#045

Code "045" indicates the number of days after which the system will send a message referring its status (selectable between 1 and 999 days).

This message is only forwarded to the 1st preset number and is useful to avoid expiry of SIM card.

If no calls or recharges are made over a certain period, your provider could block the SIM card. Check your price plan and recharge your card balance if necessary.

To deactivate this function, set value "000" (three zeros).

⚠ ATTENTION

This message is only sent if engine is turned ON (ignition key ON).
Therefore, if the module does not detect ignition or if the periodic position control command is not configured, no message will be forwarded even if the preset time period has elapsed.

5.10 - PERIODIC POSITION CONTROL COMMAND:

pos#password#180

This function is only available when the system is armed (by SMS or by configuring the auxiliary input, see par. 5.11 and 5.14).

Code "180" indicates the number of minutes after which the system checks vehicle position (selectable between 1 and 999 minutes). After the selected time period (in this case 180 min.), the system checks vehicle position.

If the latter differs from the one previously recorded, an SMS will be forwarded to both preset numbers (as in case of an alarm SMS).

The message will ONLY be sent if ignition key remains OFF during the selected period. If ignition is turned ON, countdown will start over again when ignition is turned OFF.

To deactivate this function, set "000" (three zeros).

5.11 - SYSTEM ARMING COMMAND:

on#password#

Upon request, the system will arm and send the user a confirmation message:

-System armed; GPS ok; latitude; longitude; speed; time; date.

5.12 - SYSTEM DISARMING COMMAND:

off#password#

Upon request, the system will disarm and send the user a confirmation message:

-System disarmed GPS status; latitude; longitude; speed; time; date.

5.13 - SYSTEM STATUS REQUEST COMMAND:

status#password#

Upon request, the system will reply:

-System status (armed or disarmed); GPS status; latitude; longitude; speed; time; date.

5.14 - AUXILIARY INPUT CONFIGURATION COMMAND:

aux#password#n

The letter "n" stands for any number from 0 to 7 (see table, par. 18.0).

This command is used to configure the auxiliary input according to the connection made by the installer.

Auxiliary input configuration should not be modified; ask your installer to show you how to operate the system correctly.

6.0 EXAMPLE OF MyGTRACK MANAGEMENT

6.1 - SYSTEM CONFIGURATION

In this example, a configuration string is entered for a "MINI" version system. Send the following SMS:

setup#000000#mini#+39347555555#AA1234#+39347666666#

Factory set password System version Main phone number New password Emergency phone number (optional)

When the configuration string is sent, the system replies:

Setup ok with password=AA1234

Repeat this operation every time you want to modify your password or phone numbers.

⚠ ATTENTION

The new password must be a 6-digit code and can contain both numbers and letters (i.e.: AA1234 or aa1234). The password is key-sensitive (therefore by typing characters other than the ones entered (upper and lower case letters are not equivalent), the system will not operate properly. Commands can either be sent with capital or small letters.

6.2 - VEHICLE LOCALIZATION

Send a location request SMS to the system onboard the vehicle: **loc#password#**

You will receive an SMS reply with the current coordinates:

System status (armed or disarmed); GPS (ok or no GPS)

lat: 42,10,26,N;lon: 013,49,08,E;spd:000;08.16;25/07/06;Google Maps

Latitude Longitude Speed Time Date

Where: 42,10,26=latitude 42° 10'26" and 013,49,08=longitude 13° 49'08"

NB: letters "N" and "E" stand for North and East.

If you have a data plan to access internet, simply click on the Google Maps link contained in the SMS message received in response to the locate command otherwise enter the GPS coordinates in the Google Maps search field.

NB: The **GoogleMaps** link is only applicable to devices labeled:

- 7892My01 => Rev. 10 and higher.
- 7892My11 => Rev. 05 and higher.



7.0 - VEHICLE PARKING

The MyGTRACK interacts with the GPS satellite network and the GSM mobile phone network.

Two antennas have therefore been installed on your vehicle: one for receiving the GPS signals to locate the vehicle and the other for transmitting the safety information to the user mobile phone, by means of the GSM network.

In order to guarantee the maximum safety level provided by the system, you must be aware that.

- GPS reception could result absent or quite limited in certain areas (such as military zones) and under certain atmospheric conditions. In this case (when ignition key is ON), the LED will stay ON and then OFF for 5/7 seconds, instead of fast flashing every 5/7 seconds. If, when you are parking, the LED stays ON steady instead of flashing, the GPS signal, in that particular point, is not sufficient to guarantee the positioning of your vehicle.
- Sometimes covered parking structures obstruct reception of GPS signals; which makes it impossible to get a location fix (the system will nonetheless register the last "visible" position, before entering the parking).
- Many covered parking structures (if not multi-floor underground garage), have a GSM coverage which allows the system to communicate regularly with the user.

⚠ ATTENTION

If, when the vehicle is turned OFF, there is no GSM reception or the signal strength is too weak, the LED will repeatedly flash for approx. 10 seconds.

Even though MyGtrack power consumption is very low, if your car is left idle for an extended period of time, check the battery periodically and, if necessary, recharge it with an external power supply.



8.0 - MESSAGE OVERVIEW

REQUEST	COMMAND
Initial configuration and/or data modification	<i>setup#password#version#main phone number#new password#emergency phone number#</i>
Initial configuration and/or data modification with STOP & GO activation	<i>setup#password#version#main phone number#new password#emergency phone number##</i>
Initial configuration and/or data modification with STOP & GO deactivation	<i>setup#password#version#main phone number#new password#emergency phone number#s#</i>
Vehicle localization	<i>loc#password#</i>
Tracking (vehicle displacement)	<i>trk#password#</i>
Speed control	<i>speed#password#060</i> (ref.01)
Engine stop activation	<i>stop#password#</i>
Engine stop deactivation	<i>go#password#</i>
SIM validity check	<i>po#password#045</i> (ref.02)
Periodic position control	<i>pos#password#180</i> (ref.03)
System arming	<i>on#password#</i>
System disarming	<i>off#password#</i>
System status	<i>status#password#</i>
Auxiliary input setup (AUX)	<i>aux#password#n</i> (ref.04)

(Ref.01) Indicative value, factory set, for the speed limit (expressed in km/h, always 3 digits).

(Ref.02) Indicative value, factory set, for the time interval after which a message must be sent (expressed in days, always 3 digits).

(Ref.03) Indicative value, factory set, for the time interval after which vehicle position must be checked (expressed in minutes, always 3 digits).

(Ref.04) see par. 18.0.

9.0 - WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT (WEEE) DIRECTIVE

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

INSTALLER MANUAL

10.0 - GENERAL INSTALLATION ADVICE

Dear installer,

MyGTRACK systems are safety devices that provide full active protection to 12/24V vehicles via GPS location tracking and GSM communication (by mobile phone).

IMPORTANT:

The MyGTRACK system you are about to install requires special attention when fitting the GPS and the GSM antennas.

The GSM antenna must be installed in a well-hidden but easily accessible area of the vehicle with good GSM signal strength.

Particular attention must be paid when installing the GPS antenna: make sure it is not covered by a metal surface (steel, aluminium, metallized coating, etc.), as it will shield the GPS signal. Plastic and non metallized material will not interfere with GPS signal reception.

The GSM and GPS antennas are very important system components on which depend the good operation and the safety/protection of the vehicle.

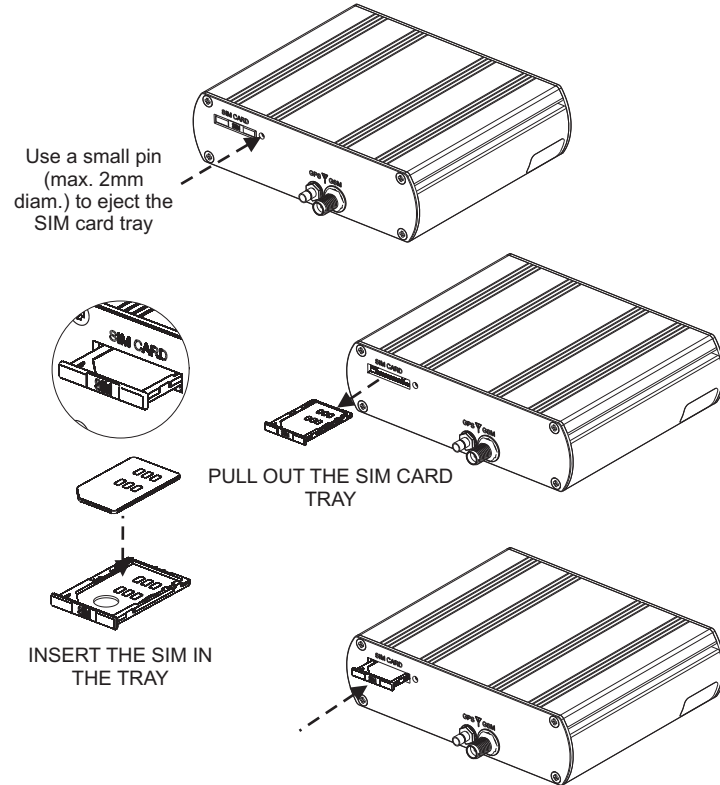
ATTENTION

Remove the PIN code from the SIM card in use.
Some phone providers do not allow it, in this case set it to "0000".

11.0 - SIM CARD

⚠ ATTENTION

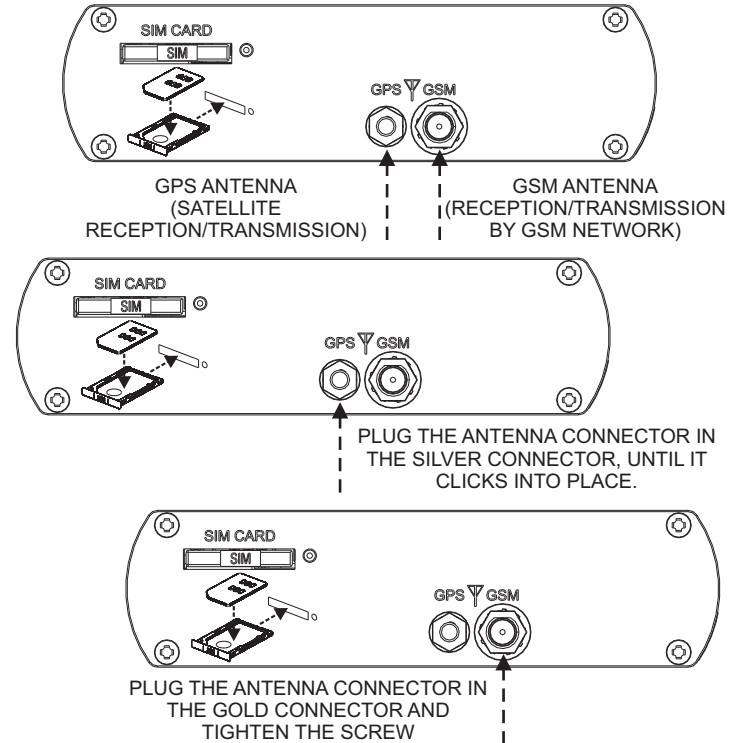
The control unit MUST be POWERED OFF when you carry out the following operations.



12.0 - ANTENNA CONNECTIONS

⚠ ATTENTION

The control unit MUST be POWERED OFF when you carry out the following operations.



⚠ ATTENTION

During installation, we recommend keeping the antenna wires separated from the control unit wiring.

13.0 - ELECTRICAL CONNECTIONS

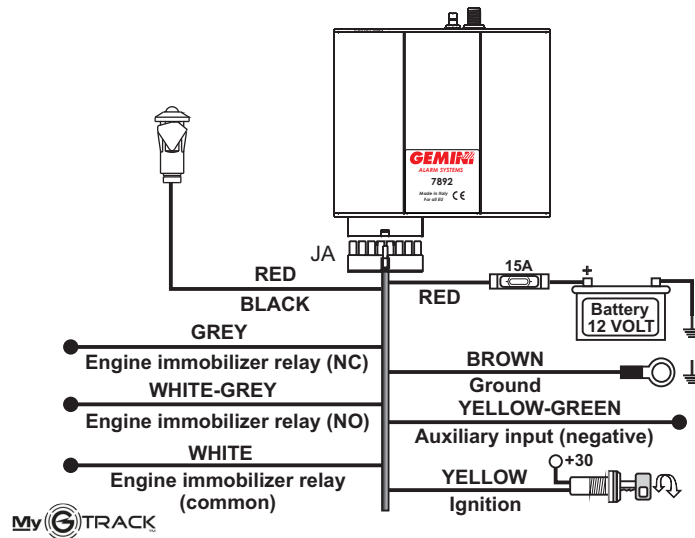
Connect the unit positive to the battery positive terminal or to one of its shunts and connect the negative output to the vehicle chassis.

⚠ ATTENTION

Unplug the battery negative before making any electric connection and only reconnect it once all the connections have been made.

NB: available vehicle model specification sheets can be downloaded:
www.gemini-alarm.com (private area).

PIN	WIRE FUNCTION	WIRE COLOUR
- 1 -	Engine immobilizer NC contact	GREY
- 4 -	Auxiliary negative input	YELLOW/GREEN
- 7 -	Ground	BROWN
- 9 -	Engine immobilizer NO contact	WHITE/GREY
- 10 -	Engine immobilizer relay common	WHITE
- 15 -	Positive	RED
- 16 -	Positive under key	YELLOW



14.0 - SYSTEM CONFIGURATION

After wiring connections are completed, activate and configure the system as follows:

- Make sure the SIM card is properly inserted and power the system (reconnect the battery negative pole).
- Move the vehicle outside for better satellite reception.
- Turn ignition key ON for approx. 1 minute to get valid GPS data.

⚠ ATTENTION

If you are unsure whether the first initialization has been done correctly, repeat the operation by disconnecting the module and reconnecting it after a few minutes.

If the system has been properly initialized, remotely configure the system as follows:

- Turn ignition key OFF.
- Send an SMS with the configuration string to the phone number of the SIM-card installed in the unit (see par. 5.0 and 8.0).
- If correctly configured, you will receive a confirmation SMS; otherwise you will receive an error message.









15.0 - CONTROL UNIT INSTALLATION AND MAINTENANCE

MyGTRACK systems are electronic devices which require suitable installation and maintenance.

- Fit the module in a horizontal position respect to the vehicle axis, in a well-hidden position inside the vehicle cabin.
- The module must be installed away from heat sources and potential water infiltrations.
- Only use manufacturer-specified voltages.
- Do not clean the unit with water but use a damp cloth to wipe.
- Do not remove warranty labels.

GEMINI TECHNOLOGIES DECLINES ANY LIABILITY FOR DAMAGES TO THE SYSTEM DUE TO IMPROPER USE OR INSTALLATION.

16.0 - OPTICAL SIGNALS

System initializing	 LED will flash for approx. 30"
System configuration OK	
Satellite search (with +15/54)	 LED steady ON for max 20"
Satellite reception indication (with +15/54)	 Every 5/7 seconds
Weak GSM field (when engine is turned off)	
System arming	
System armed	
System disarming	

17.0 - TECHNICAL SPECIFICATIONS

Nominal supply voltage	12/24 Vdc
Nominal supply voltage range	9 to 32Vdc
Current absorption @ 12Vdc in stand-by	Less than 10mA
Operating temperature range	-20°C to +70°C
Engine block contact rating	8A @ 20°C

18.0 - AUXILIARY INPUT CONFIGURATION (YELLOW/GREEN wire)

The auxiliary negative input allows for many connections and configurations. According to the required connection, program the input (by sending an SMS) as indicated in the table below.

⚠ ATTENTION

The system is configured with the YELLOW/GREEN wire active 24/7, negative input enabled to send generic alarm SMS to the 1st preset number.

COMMAND	ACTIVATION	SIGNAL
<i>aux#password#0</i>	Input active 24/7	Negative
<i>aux#password#1</i>	Input only active when system is armed	Negative
<i>aux#password#2</i>	Input active 24/7	Positive (lack of negative)
<i>aux#password#3</i>	Input only active when system is armed	Positive (lack of negative)
<i>aux#password#4</i>	System activation	Negative pulse activates the system (60" arming delay), negative pulse deactivates the system
<i>aux#password#5</i>	System activation	Positive pulse activates the system (60" arming delay), positive pulse deactivates the system
<i>aux#password#6</i>	System activation	Continuous negative presence activates the system (60" arming delay), lack of negative deactivates the system
<i>aux#password#7</i>	System activation	Continuous lack of negative activates the system (60" arming delay), continuous negative presence deactivates the system

⚠ ATTENTION

Sending commands *aux#password#1* and *aux#password#3* will program the system to forward an alarm message in case of ignition detection (arming message must have been priority sent, see par. 5.11 and 8.0).