

Alarm type :

Sold on :

By :

Installed on bike, model,  
number plate/frame:

Homologation number 7854T Cat 1: TMC1-281/0607  
Homologation number 7854T Cat 2-1: TMCU-282/0607

**GEMINI Technologies S.p.A.**

Via Luigi Galvani 12 - 21020 Bodio Lomnago (VA) - Italia

Tel. +39 0332 943211 - Fax +39 0332 948080

Web site: [www.gemini-alarm.com](http://www.gemini-alarm.com)

NOTE: please send a copy to the insurance company if necessary.



# 7854T

## USER'S MANUAL



**CE 0682**   
For all EU Countries



AC 2685 - REV.00 - 17/05/07



## TABLE OF CONTENTS

2.....	Table of contents
3.....	Introduction
4.....	Description of the alarm control devices
4.....	Remote control
5.....	Electronic key
6.....	Alarm operation with basic configuration
6.....	Arming
6.....	Engine passive arming
6.....	Trunk open/lifted-up seat signalling
6.....	Neutral time
6.....	Excluding the siren
7.....	Excluding the built-in sensor
7.....	Armed condition
7.....	Alarm
7.....	Limiting the acoustic signal
8.....	Neutral time between two alarm signals
8.....	Deactivating the alarm system (without alarm memory)
8.....	Deactivating the alarm system (with alarm memory)
8.....	Hazard signalling
9.....	Description of the extra functions
9.....	Acoustic and optical signalling
9.....	Remote controlled panic alarm
9.....	Sleep mode Activation/Deactivation
10.....	Replacing remote control batteries
10.....	Use and maintenance
11.....	Warranty condition
11.....	Product disposal
12.....	Conformity

## INTRODUCTION

### Dear Customer,

Thank you for having chosen a Gemini alarm. This manual has been written for you so that you can acquaint yourself with and get the best operation results with your motorbike alarm.

We recommend you to read this manual both carefully and entirely here you will find some important information, advices, and warnings that will assist you in operating and making the most of your device.

Gemini's alarms, model 7854WS, are specifically designed for two-wheel vehicle protection.

Thanks to a safety and comfort functionality, you can program the device according to your actual needs.

Indeed, although equipped with a number of available functions, the device is programmed and delivered to the final customer in the so-called "basic" configuration.

For this reason too, we also suggest to keep this manual safely for future use.

In order to better understand the importance of the topics discussed in this manual, some icons will be included.

These are listed below, along with a brief description of their meaning and importance level.

### **▲ WARNING**

Non-compliance to this instruction may bring serious damage to the alarm system and the vehicle itself.

### **CAUTION**

Non-compliance to this instruction may bring serious damage or operational failures to the alarm system.

### **NOTE**

This gives some useful information or tips.

We also recommend you to always wear your crash helmet, keep lights on and observe the speed limit, when riding your motorbike.

Enjoy your reading... and have a nice trip!

## DESCRIPTION OF ALARM CONTROL DEVICES

In order to use the alarm, it needs to receive commands by the user; this can be done by means of remote controls and electronic keys.

A further possibility to deactivate the alarm, when needed, is given by the PIN-CODE.

Such procedure can be activated by means of the ignition key of the vehicle itself and is detailed in the relevant chapter.

### Remote control

The remote control is the main user "interface"; therefore, we recommend you to acquaint yourself with it.

The remote control buttons activate several functions that differ according to the operational condition and the alarm program.

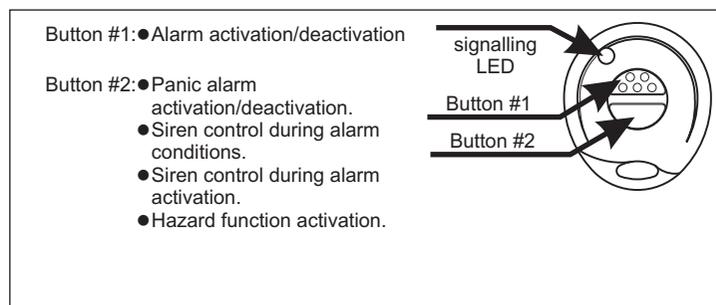
Please also note that buttons have been made different in form, in order to be better recognized and identified.

The alarm activation/deactivation button is dotted, while the siren button is plain.

To prevent problems with the remote control, it has been provided with a device that will signal the charge condition of the batteries inside.

During normal use of the remote control, when you press a command button the green transmission LED will light up with a steady light.

If the battery charge drops below the level needed to assure correct operation of the remote control, when you press a command button the green transmission LED will blink, advising you that it is time to replace the batteries.



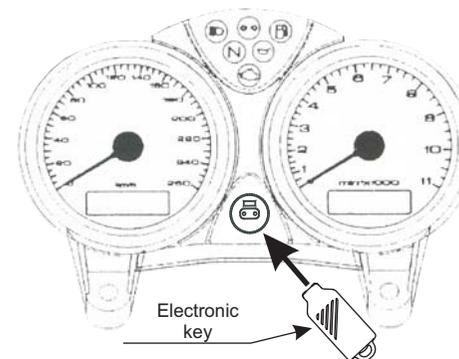
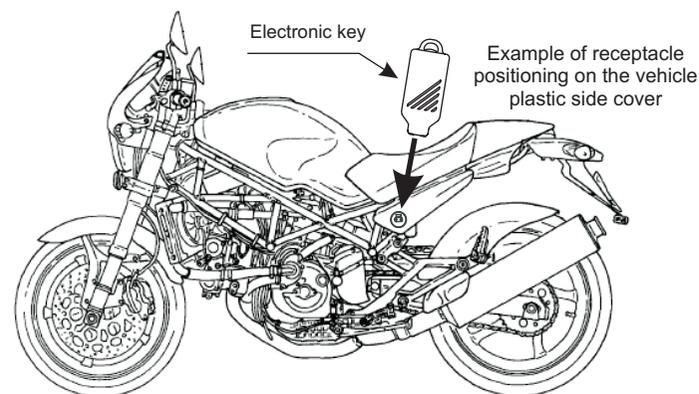
### Electronic key

The electronic key can be considered a kind of "simplified remote control."

As a matter of fact, in emergency situations (e.g. a failure in the remote control), it can activate and deactivate the alarm, or activate and deactivate the anti-hijacking function (if previously programmed).

To use the electronic key, simply put it on the receptacle, and join the metallic contacts.

The receptacle also incorporates the alarm state led.



Example of receptacle positioning on the vehicle dashboard.

## ALARM OPERATION WITH BASIC CONFIGURATION

### **Arming**

Pressing the (dotted) button #1 on the remote control or inserting the electronic key into the receptacle will activate the alarm.

This action is indicated by one long flashing of the turn signals, two short acoustic signals and the permanent turning on of the LED.

### **Engine passive arming**

The passive engine immobiliser is activated from the system 40" after the turn-off of the vehicle.

Lifting up the seat or opening the trunk (if the supplementary button is installed) during the 40" of the immobiliser pre-arming, the time count will be cancelled and restarts when the seat or the trunk are closed.

The engine immobiliser is also activated after 40" by remote disarming.

In both cases engine passive arming is indicated by two acoustic signals and two turn signals flashes.

When the engine block is activated the LED flash quickly.

It's sufficient to turn the vehicle ignition key in "ON" position and press one button of the remote to disarm the passive engine immobiliser.

### **Trunk open lifted-up seat signalling**

During alarm activation, should the seat or the trunk be opened, the alarm will signal the failure by means of a low-tone beep (BOOP) after the alarm arming signalling.

In any case the alarm will be activated and, at the end of the "neutral time", an alarm condition will be generated.

### **Neutral time**

When the activation signals are finished, the alarm goes in standby or neutral-time condition, which is signalled with a steady-light LED.

This time duration is about 20 seconds.

The engine immobilization function and the connectors for optional modules are already active.

### **Excluding the siren**

During the first 4 seconds in neutral time, the alarm siren can be deactivated, by simply pressing (smooth) button #2 on the remote control.

Siren deactivation will be signalled by a short flashing of the turn signals.

### **NOTE**

When the siren is deactivated, the alarm signals will change correspondingly. Indeed only visual signals will be active, i.e. with flashing of the turn signals, but the engine immobilization function will still work.

The siren sound exclusion is bound to the single arming cycle.

### **Excluding the built-in sensor**

During the first 4" of neutral time, it is possible to exclude the alarm built-in sensor (lifting); to do this, you must just put the electronic key into the specific receptacle, after the alarm system has been activated.

The exclusion is bound to a single arming cycle and will be indicated by a short flashing of the status led.

### **Armed condition**

At the end of the neutral time, after about 20 seconds, the alarm goes in the armed condition and signals this with a blinking led.

From now on, the alarm is ready to signal possible attempts to force the vehicle.

### **Alarm**

If, during the alert state, should occur any theft attempt against the vehicle, the alarm will signal this by activating the high-volume siren, lighting up the red led with a steady light and causing the direction indicators to flash repeatedly for about 30 seconds.

The alarm may be activated by different causes, which also depend on the activated functions described below:

- ✍ Cut-off of the power supply cables.
- ✍ Turn on the ignition key (positive under key).
- ✍ Shifting attempt.
- ✍ Opening of the seat or the trunk.
- ✍ Panic alarm, by pushing (smooth) button #2 on the remote control

When the alarm conditions are over, the system will revert to the alert state.

During the alarm condition it is still possible to deactivate the siren by pushing button #2 (smooth) on the remote control (without disarming the alarm).

### **Limiting the acoustic signal**

Alarm conditions caused by shock, shifting/hitting, seat or trunk opening, will be signalled by the activation of the siren for 8 times.

From the sixth alarm condition on, the siren will cease to be active.

This deactivation of the siren is performed because of these simple reasons:

- ✍ Observance of the regulations in force in the subject of acoustic emissions caused by vehicle alarms.
- ✍ Power saving, to maximize the vehicle battery.
- ✍ It is no use keeping the alarm on if, after 8 acoustic signals, nobody is coming to check the vehicle.
- ✍ Noise pollution reduction, to prevent penalties as the regulations in force.

### **Neutral time between two alarm signals**

Once the alarm cycle is over, the device will ignore any other alarm cause for eight seconds, while keeping the led steadily on. After this interval, the LED will start blinking again.

### **Deactivating the alarm system (without alarm memory)**

Pressing the (dotted) button #1 on the remote control or inserting the electronic key in the receptacle will deactivate the alarm.

The alarm system will signal this change of status with the led switched off, three beeps and three flashes of the direction indicators at the same time.

### **Eactivating the alarm system (with alarm memory)**

If during the armed period attempts have been made to force the vehicle, during the deactivation stage the alarm will signal the event with two flashes of the direction indicators and, simultaneously, with two low-tone beeps.

The last cause of alarm will be signalled with one or more flashes of the turn signals and a corresponding number of beeps, according to the type of event.

✍ **Starting attempt alarm:** two flashes of the turn signals, two flashes of the led and two low-tone signals.

✍ **Trunk open/lift-up seat alarm:** three flashes of the turn signals, three flashes of the led and three low-tone signals.

✍ **Cables cut alarm:** four flashes of the turn signals, four flashes of the led and four low-tone signals.

✍ **Shifting/hitting alarm:** five flashes of the turn signals, five flashes of the led and five low-tone signals.

### **Hazard signalling**

The hazard signalling is useful when you want to park the vehicle, being the engine off and the turn signals on.

To activate/deactivate this function, proceed as follows:

✍ Switch off the engine, by turning the ignition key to "OFF".

✍ Turn the ignition key to "ON"; the LED will be illuminated for about 1".

✍ During this period, push the button nr 2 of the radio control.

✍ Turn the ignition key to "OFF"; the turn signals will start flashing.

✍ To deactivate the function, you must just turn again the ignition key to "ON" (and eventually to "OFF"), or arm and disarm the system by a remote (or electronic key).

## **DESCRIPTION OF THE EXTRA FUNCTIONS**

The table below shows the programmable functions.

The manufacturer supplies the alarm with some of these functions disabled in order to achieve a good trade-off between ease and completeness of use), being the shock sensor regulated at a standard sensibility.

<b>Factory settings</b>	
<b>Function</b>	<b>State</b>
Acoustic signals	Enabled
Panic alarm	Enabled

✍ **Acoustic and optical signalling:** In the different usage conditions, the alarm signals the current operation or the alarm memory.

This is done using the direction indicators for the optical signals and using the siren for the acoustic signals, which can be disabled.

☐ **Operation:** during the stages of activation, deactivation, alarm memory, function programming, and recognition of new remote controls, the alarm will produce specific acoustic signals in order to show which function is being run.

The acoustic signals can be high-tone or low-tone.

✍ **Remote controlled panic alarm:** It allows to generate an alarm condition by pressing button #2 on the remote control.

The panic signals can be as many as desired, but a minimum 5-second interval must occur between two consecutive signals.

☐ **Operation:** Pressing button #2 on the remote control will activate the loud-sound siren and the direction indicators for about 30 seconds.

To deactivate the panic alarm, just press again button #2 on the remote control.

This alarm signalling can be activated indifferently of the status of the alarm (activated/deactivated).

## **SLEEP MODE ACTIVATION/DEACTIVATION**

When the vehicle is not used, it is possible to switch completely off the alarm (sleep mode) in order to reduce the battery charge consumption.

To activate this function, proceed as follows:

✍ Turn the ignition key to "ON" position; the led will light for about one second.

✍ Put the electronic key into the receptacle, within 4 seconds.

✍ An acoustic signal will indicate that the alarm is turned off.

✍ Turn the ignition key to "OFF" position.

✍ To re-activate the alarm, turn the ignition key to "ON" and "OFF".

## REPLACING REMOTE CONTROL BATTERIES

The remote control operates using alkaline batteries.

Under normal use conditions of the remote control these will gradually lose their charge.

The more you use the remote control, the sooner the batteries will become discharged.

To prevent problems with the remote control, it has been provided with a device that will signal the charge condition of the batteries inside.

During normal use of the remote control, when you press a command button the green transmission LED will light up with a steady light.

If the battery charge drops below the level needed to assure correct operation of the remote control, when you press a command button the green transmission LED will blink, advising you that it is time to replace the batteries.

For battery replacement follow the indications reported below.

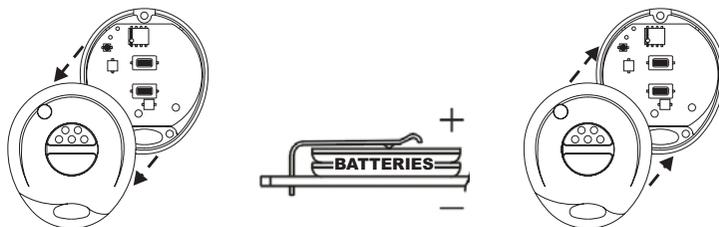
Separate the plastic shells of the remote control paying attention to not damage the internal circuit.

✍ Remove the discharged batteries.

✍ Insert the new batteries in their housing, being careful to not invert the polarity.

✍ Close the plastic shells of the remote.

✍ Verify the efficiency of the remote control.



### WARNING:

Use only type CR1616 batteries.

Using batteries different from those advised can seriously damage the remote control unit.

Do not discard used batteries in the environment; they should be disposed of in appropriate containers.

## USE AND MAINTENANCE

Please note that the alarm system is still an electronic device, so must be handled carefully.

The following are simple hints which are useful if you want to prevent device damage because of an improper use.

✍ Do not clean the alarm with water.

✍ Do not expose the alarm to heat sources.

✍ Do not use power supply voltages which are different than those specified by the factory label.

✍ If the motorbike is cleaned with a washing machine, be careful not to directly expose the alarm to the water jets.

✍ Use a damp cloth to clean the alarm.

### ⚠ WARNING

GEMINI TECHNOLOGIES S.p.A. IS NOT RESPONSIBLE FOR DAMAGES TO THE ALARM IN CASE OF AN IMPROPER USE OF IT.

## WARRANTY CONDITIONS

This apparatus is guaranteed against all defects of fabrication for a period of 24 months from the installation date shown on the warranty coupon below, taking into consideration the 1999/44/CE.

Please fill in the warranty certificate contained in this instruction booklet in all its parts and DO NOT REMOVE the warranty label on the apparatus.

If the warranty label is lost or damaged or if the data on the warranty certificate is not complete or if the attached sale document is missing, the will not recognize this warranty.

The warranty is valid exclusively at centers authorized by Gemini Technologies S.p.A.

The manufacturer declines all responsibility for any defects or malfunctions of the alarm and of the vehicle electric system if the apparatus is installed incorrectly, mishandled or improperly used.

The alarm has only a dissuasive function against thefts.

**NOTE: Any type of modification or addition not expressly indicated on the installer manual or authorized by Gemini Technologies S.p.A., will invalidate automatically the installation certificate and product warranty.**

## PRODUCT DISPOSAL

We remind you that according to the L.D. 151, 25th July 2005, "IMPLEMENTATION OF E.U." DIRECTIVES 2002/95, 2002/96 and 2003/108, concerning the reduction of hazardous substances used in electrical and electronic devices and the waste disposal, consumer has to:

- Do not dispose this product with urban wastes.
- Collect separately internal components, in specialized centers, since they are electric and electronic wastes (according to WEEE).

Wrong disposal of electric and electronic devices can cause soil and water pollution, with consequences for human health.

When the consumer has the intention to replace the product and so he must dispose it, there is the possibility to give it back to the dealer, in case the device is of an equivalent type, with similar functions.

In case of abusive disposal of the above wastes, producer, distributor and consumer will be punished with administrative sanctions, according to the art. 50, L.D. 22/1997.



  
**APPROPRIATE  
CONTAINER ONLY**



## Declaration of conformity to type Declaración de conformidad

I hereby declare that the product  
*Se declara que el producto*

**7208E - 7218E**

(Name of product, type or model, batch or serial number)  
*(nombre del producto o modelo, categoría o número de serie)*

Is conform to all relevant essential requirements of the R&TTE-directive 1995/5/EC, issued March 9,1999. According to Annex IV of the R&TTE directive. The following standards and essential radio test suites published in the "Official Journal" of the European Communities, have been used to demonstrate the conformity of the product:

Product in class 1 frequency identification - subclass 20  
Electrical safety: En 60950-2000  
Radio and spectrum engineering parameters: En 300220-3/2000  
Electromagnetic Compatibility EMC: ETS 301489-1-3  
*Cumple todos los requisitos aplicables al tipo de producto y previstos por la normativa de las telecomunicaciones según la directiva Soddisfa tutti i requisiti applicabili alla tipologia del prodotto e richiesti dalla regolamentazione delle telecomunicazioni secondo direttiva R&TTE5/9 anexollegato IV, mediante el uso de las normas publicadas en el boletín oficial de la Comunidad Europea:*  
*Producto de frecuencia identificada como clase 1 - subclase 20*  
*Seguridad eléctrica: En 60950-2000*  
*Radio y parámetros de transmisión: En 300220-3 /2000*  
*Compatibilidad electromagnética EMC: ETS301489-1-3*

The product can be used in the following European Countries: **A, B, D, DK, F, FR, GR, IR, I, L, NL, P, SP, S, UK**  
*El producto se puede utilizar en los siguientes estados europeos:*

Company responsible for placing on the market: **GEMINI TECHNOLOGIES S.p.A.**  
*Società responsabile per l'immissione nel mercato:*

Address: **Via Luigi Galvani 12 - 21020 BODIO LOMNAGO (VA) - ITALY**  
*Dirección:*

Point of contact: **Andrea Rossi**  
*Persona de contacto:*

Bodio Lomnago - 19/09/2003  
*(Place, date) - (Lugar, fecha)*

  
*(Signature) - (Firma)*