



# 7590T2-1

## USER MANUAL



Made in Italy

AVS: Rev 08/16

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**2.0 - PRELIMINARY ADVICE**

Dear Customer,

The 7590T2 is a Thatcham homologated alarm system with built-in sensors designed to be used only on vehicles with a negatively grounded 12V battery.

The following signs, intended for the installer or the user, indicate particular functions or connections:



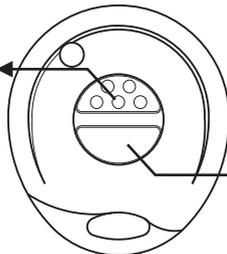
**For the user.**  
 This sign highlights useful information.

The following briefly lists some of the available functions:

- Alarm system arming/disarming via random rolling code transmitters.
- Arming/disarming optical signals.
- Intermittent or continuous siren tone (programmable).
- Perimeter protection.
- Volumetric protection (combined with an ultrasonic or hyperfrequency module, excludable during arming).
- Control for CDL, power windows and sunroof (vehicles equipped with “Comfort Pack”).
- Alarm memory (optical/acoustic signals).
- PANIC or BOOT RELEASE function (programmable).
- Anti-distraction rearming function (programmable).
- Control for self-powered siren or additional siren.

**3.0 - REMOTE CONTROL OPERATION AND BATTERY REPLACEMENT**

- BUTTON 1:**
- **COMPLETE SYSTEM ARMING**
  - **SYSTEM DISARMING**



- BUTTON 2:**
- **SENSOR EXCLUSION**
  - **PANIC ALARM OR BOOT OPENING**



The remote control has a low charge battery indicator that gives early warning to avoid malfunctioning. If the batteries are low, the LED will start blinking when a button is pressed. Use only CR 16161 batteries. Different type batteries can seriously damage the remote control unit. Discard used batteries properly in special dedicated containers.

To replace the battery proceed as follows:

- Separate the remote halves taking care not to damage the internal circuit.
- Remove discharged batteries and insert new ones taking care not to invert the battery polarity.
- Close the remote halves and make sure the remote control works properly.

## USER MANUAL

### 4.0 - OPERATING INSTRUCTIONS

#### 4.1 - COMPLETE SYSTEM ARMING

To arm the alarm press remote control button “1” or touch the electronic key to its receptacle. Arming is confirmed by a quick flash of the turn indicators and a chirp of the siren. The following functions are enabled:

- a-** Module output (PINK wire, +A).
- b-** Led output.
- c-** Door-lock control with pulse time selected during programming.

If the electronic key is used to arm the system, functions **a)** and **b)** are activated but **c)** will be disabled to provide time to exit the vehicle without triggering an alarm. When using the electronic key, there is also an entry delay countdown (approx. 10 sec. LED ON steady) to provide time to get into the car and disable the alarm via the electronic key without generating an alarm.

#### 4.2 - SYSTEM ARMING WITH SENSOR AND COMFORT CONTROL EXCLUSION

During the initial 25” of the arming delay, internal sensors, infrared wireless sensors and positive with system armed (+A) can be excluded and window roll-up stopped by pressing button “2” on the remote. To stop windows on their way up you need to install a dedicated module (art. 2343 or 2344) or the vehicle must be equipped with COMFORT feature.

Exclusion of the above-mentioned features is confirmed by a brief flash of the turn indicators.



Exclusion of sensors and comfort feature is bound to each single arming cycle.

#### 4.3 - SIREN SOUND EXCLUSION WHEN ARMING

This function allows arming the alarm system without any siren sound in case of an alarm event.

To exclude the siren, proceed as follows:

- Turn ignition key “ON”.
- Press button “2” on the transmitter within 0,5 seconds.
- Walk away from the vehicle and press button “1” on the remote control.
- The alarm system will be armed with optical/acoustic signals but the siren will not sound in case of an alarm event.



Siren sound exclusion during an alarm is bound to each single arming cycle.

#### **4.4 - ARMING DELAY**

A 35" arming delay (indicated by the LED turned ON steady) provides time to exit the vehicle without triggering a false alarm.

#### **4.5 - SYSTEM FULLY ARMED**

After the arming delay, the system is fully armed and ready to detect any alarm event. The LED will start flashing to confirm the system is armed.

#### **4.6 - ALARM, INHIBIT TIME BETWEEN ALARMS AND ALARM CYCLES**

Alarm events are indicated by optical/acoustic signals:

- Wire tamper (by self-powered siren).
- Ignition attempt.
- Door tamper.
- Bonnet tamper.
- Motion detection by internal volumetric sensors.
- Motion detection by external sensors (optional, also wireless).
- Panic alarm by pressing remote control button 2 (if feature has been enabled during programming and only in countries where it is legal to do so). Not available on products for the Dutch market.

After the alarm is triggered, but before another alarm cycle starts, there is a 5" interval during which there will be no reaction to alarm events.

An alarm event can generate up to 10 alarm cycles, for each input and for each arming cycle, that will last 30 sec. each.

Counter is reset upon the next alarm disarming or if an IGNITION ATTEMPT alarm is triggered during the same activation cycle.



To interrupt an alarm cycle without disarming the system, press remote control button 2.

#### **4.7 - SYSTEM DISARMING**

The alarm system can be disarmed by pressing remote control button 1 OR by touching the electronic key to its receptacle.

Disarming is confirmed by 3 flashes of the turn indicators and 3 siren chirps bu.

If an alarm event has occurred while the system was armed, it will be signaled by 5 flashes of the turn indicators and 5 siren chirps (if these functions have not been excluded during programming).

#### **4.8 - ALARM MEMORY**

Five flashes of the turn indicators and 5 acoustic signals, when ignition is turned ON, will indicate an alarm event has occurred while you were away from your vehicle. The last cause of alarm can be identified by observing the status LED and counting the number of flashes.

The flashing sequence will be repeated 10 times; to interrupt, turn ignition key "OFF".

LED FLASHES	ALARM CAUSES	ALARM CYCLES
* ● *	Volumetric sensor	10
** ● **	Door/boot switches	10
*** ● ***	Ignition (+15/54)	10
**** ● ****	Bonnet switch and volumetric sensors	10
***** ● *****	Absorption sensor	10
***** ● *****	External magnetic contact	10
● LED OFF (2 seconds) * LED ON (400 ms)		



WIRE TAMPER will not be signaled by the alarm memory because managed by the external self-powered siren.

## 1.0 - 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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## TECHNICAL SPECIFICATIONS

Power supply	12 Vdc
Current absorption @ 12Vdc with system armed and LED flashing	About 15mA
Turn indicators contact rating	8 A at 20°C
Alarm cycle duration	30 sec.
Maximum positive current output when armed (+A)	700 mA
Maximum load of siren output	3 A

## 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.



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UK Distributors of the Gemini Alarm Systems

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

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