

## 996V3 INSURANCE APPROVED ALARMS/IMMOBILISER

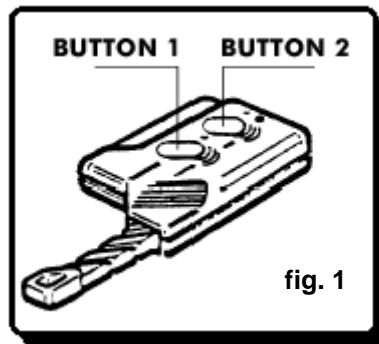
The system is manufactured from the highest quality components to ensure a long trouble free operating life and comply with the British industry's criteria for vehicle security for a Category 1 (Issue 2) product as evaluated by Thatcham. These instructions are intended to familiarise you with their very simple operation.

### OPERATING INSTRUCTIONS

You should have received two "remote controls" and two override "electronic keys". The "electronic key" will be accepted by a LED/receptacle that has been mounted in the dash fascia. This electronic key will permit control of the system in the event of a remote control malfunction. The operation of the electronic key is dealt with later in this text.

**Button 1:** arming/disarming of the alarm.

**Button 2:** panic, ultrasonic function exclusion.



### **ARMING THE ALARM SYSTEM**

Ensure all doors are closed properly. Press the arm/disarm button "1" positioned centrally on the remote control. The traffic indicators will flash twice and the alarm system will give two audible tones (selectable) thus signaling the ARM command has been received. The doors may lock and the windows/sunroof may close (Optional features). Once ARMED the LED mounted in the dash fascia (see fig. 3) will flash for 40 seconds (pre-alarm time). At the end of the pre-alarm time, i.e. 40 seconds after arming, the flash rate of the dash fascia LED will decrease to one flash-one pause rate. The alarm system is now set and ready to respond to any intrusion.

**If you wish to leave your windows open and turn off the interior detection** i.e. venting the vehicle in hot weather, press the Panic button "2" (button next to the Remote LED) within 30 seconds of arming the alarm. The alarm will respond with a single short tone and a flash of the traffic indicators, the windows/sunroof will stop closing (if these features have been added). This feature will be restored on the next arming cycle.

### **DISARMING THE ALARM SYSTEM**

Press the arm/disarm button "1" on the remote control. The traffic indicators will flash once and the alarm system will give an audible tone (selectable) thus signaling the DISARM command has been received. The doors may unlock (Optional features), the dash fascia LED should also extinguish, except where an alarm condition has occurred in your absence (see **ALARM AUTO-DIAGNOSTICS**).

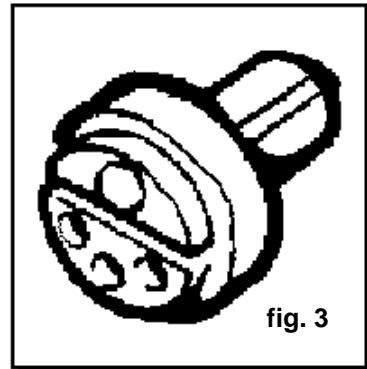
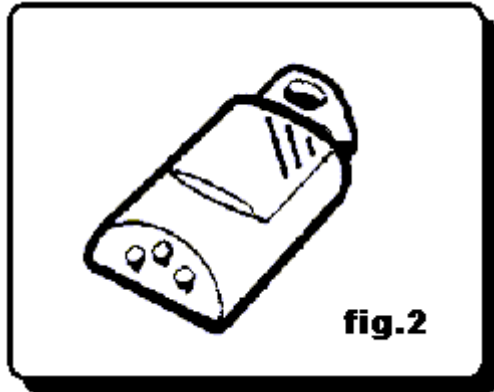
### **PANIC ALARM FEATURE**

Pressing the Panic Button, provided the ignition is off and the alarm is either fully armed or fully disarmed, will activate the siren and flash the traffic indicators for 10 seconds. Pressing it again will exit the panic mode.

## PASSIVE ENGINE IMMOBILISATION

Engine will automatically immobilise within 20 seconds of the ignition being switched off. This is indicated by the dash fascia LED illuminating constantly.

If you are not leaving the vehicle and wish to re-start the engine, simply turn the ignition on then press the arm/disarm button positioned centrally on the remote control. The dash fascia LED will extinguish and you may now start the engine.



## ELECTRONIC KEYS

When the alarm previously **armed by the remote control** needs to be disarmed because of remote control damage or remote control battery failure. Open doors manually by the vehicles key, the alarm will sound instantaneously. Simply 'Touch & Remove' the key from the 'LED/Receptacle' (see fig. 3) in the dash fascia to disarm the alarm. The 'electronic key' can also be used to arm the alarm system. To arm the alarm using the 'electronic' key, simply 'Touch & Remove' the key from the 'LED/Receptacle' in the dash fascia before exiting the vehicle. Arming in this way will allow a 40 second exit delay. To disarm the alarm after arming with the electronic key. When you re-enter the vehicle there is a 7 seconds delay, allowing time to 'Touch & Remove' the key from the 'LED/Receptacle' in the dash fascia before the alarm sounds. It is important to remember to lock the doors manually if you have armed the alarm with this method.

## ALARM AUTO-DIAGNOSTICS

If an alarm was generated while the system was armed, when the system is disarmed the alarm LED in the dash fascia will flash a repeated Flash Code for 20 seconds after disarm the alarm system. By looking at the LED in the dash fascia, you can determine which circuit generated the alarm condition (see fig. 4). The LED will begin flashing and the sequence of flashes will identify the relative sensor. The Flash Code will be cancelled if the ignition is switch on or the alarm is re-armed within the first 20 seconds.

### Flash Code Table

**2 Flashes** " , " , "

Alarm has been triggered by interruption of the interior detection field, e.g. broken or open window/sunroof.

**3 Flashes** "" , "" , ""

Alarm has been triggered by an earth contact circuit; i.e. boot, bonnet or doors have been opened.

**5 Flashes** "" "" , "" "" , "" ""

Alarm has been triggered by somebody trying to energise the ignition, i.e. hot wiring.

Fig. 4

## **PROBLEM SOLVING**

If your alarm sounds for no apparent reason, please refer to the **ALARM AUTO-DIAGNOSTICS Flash Codes Table** for possible condition. Possible causes of the alarm condition could be:

- Vehicle has been tampered with.
- Windows/sunroof are not fully closed.
- Doors/boot/bonnet are not fully closed.
- Check that the air vents have not been left open. Air movement within the vehicle may trigger your alarm.
- Check the doors/boot/bonnet contact switches operate correctly.
- Articles inside the vehicle are moving e.g. jacket, hanging toys or accessories.

If you have any problems with your alarm system please contact your nearest Laserline Installer.

## **PRE-ALARM TIME**

During the first 40 second arming period, this facility confirms the correct operation of interior/doors/boot/bonnet detection circuits. This is indicated by a series of short 'tones' and/or a series of flashes on the dash fascia LED, when one of the circuits is triggered within the pre-alarm time.

## **SENSOR TESTING**

During the 40 seconds arming period (pre-alarm time), this facility confirms the correct operation of interior/doors/boot-/bonnet detection circuits. This is indicated by a series of audible tones and/or a series of flashes on the dashboard LED, when one of the circuits is triggered within the pre-alarm time. To self test the detection circuits:

### **DOORS/BOOT/BONNET DETECTION CIRCUITS**

- ❶ Arm the alarm with the remote control.
- ❷ Unlock the vehicle.
- ❸ Within the first 40 seconds of arming the alarm open and close all doors/boot/bonnet. The alarm will respond with 3 audible tones and 3 flashes of the LED. If vehicle is fitted with a courtesy light delay system, you may have to wait for the courtesy light to go out before testing the next doors/boot/bonnet detection circuits.

### **INTERIOR DETECTION CIRCUIT (Ultrasonic/microwave sensors)**

- ❶ Sit inside the vehicle.
- ❷ Arm the alarm with the remote control.
- ❸ Within the first 40 seconds of arming the alarm, create movement in front of the interior sensors (normally mounted at top of windscreen). The alarm will respond with 3 audible tones and 3 flashes of the LED.

## **SENSOR ACTIVATION AFTER ARMING**

Once armed an alarm condition will be generated by power supply interruption and the turning ON of the ignition key. An alarm condition will not be generated by the door/bonnet/boot being opened or interior (ultrasonic/microwave sensors) movement until the alarm has been armed for 40 seconds (pre-alarm time).

## **CASUAL RE-ARMING**

On your return to the vehicle, if you disarm the system but do not open any door, boot/hatch within 40 seconds, the alarm will automatically re-arm itself (and lock the doors where applicable). Useful if you accidentally disarm the alarm from a distance.

### **AUTOMATIC (PASSIVE) ARMING (Manufactory default OFF)**

**Remember this feature is selectable. Contact your installer to select this feature.**

Ensure the ignition is switched OFF. Exit the vehicle in the normal way ensuring all doors, boot, hatch and bonnet are closed securely. Wait 10 seconds after the last door has been closed securely, the traffic indicators will flash twice and the alarm system will give two audible tones (selectable) thus signaling the "Automatic Arming". The vehicle LED will flash regularly for 40 seconds (pre-alarm time). When armed in this way the windows and sunroof may close (Optional features) but the doors will not lock. Please ensure you lock the doors using the normal ignition key!

If Automatic Arming has occurred, a seven-second re-entry delay will permit the user to disarm the system by the 'ELECTRONIC key' on return to the vehicle.

### **TO ENABLE/DISABLE AUDIBLE CONFIRMATION TONES**

With the alarm system disarmed, enter the vehicle and close all doors/bonnet. Turn on the vehicle ignition, open the driver's door, then press the arm/disarm button on the remote control and look for the following confirmation:

Enabled = The dash fascia LED will flash once accompanied by a short tone from the siren.

Disabled = The dash fascia LED will flash twice without a siren tone.

Turn off the vehicle ignition, close all doors and arm the alarm in the usual way.

### **SIREN EXCLUDING**

Disarm the alarm system using the remote control. Enter the vehicle and turn the ignition key ON; within 5 seconds press the Panic button (button next to the Remote LED) of the remote control once. At the same time that you press the Panic button, you will see the LED in the dash fascia flash once to confirm the programming. Now the siren sound is temporarily excluded and if an alarm condition occurs, only the direction indicator lights will flash. This function may be necessary in hospital parking areas, ferries, skiing resorts etc.

The function will be reset the next time the alarm is armed using the remote control or an electronic key.

### **BATTERY BACKUP SIREN**

If there is any interruption of power to the alarm when armed (e.g. vehicle battery disconnection or cut wires) the rechargeable Ni-Cad batteries will take over and keep the siren sounding for up to 10 cycles.

Note: If you need to disconnect the vehicle battery ensure alarm is first disarmed.

### **ANTI-NUISANCE SOFTWARE**

When the alarm is triggered, it will sound for 30 seconds, then reset and re-arm itself, a maximum of 10 times on each detection circuit (interior sensors, doors/boot/bonnet, ignition and battery backup siren. This is a legal requirement.

### **REMOTE CONTROL FAILURE**

**In the event of remote control failure**, the remote control might just require resetting to the alarm. To do this, stand next to the vehicle, press and hold the arm/disarm button. Within approximately 5 seconds, the remote control LED will become dim. Press the arm/disarm button again and the alarm system should respond. If however the remote control LED did not go dim, this indicates that the battery inside the remote control needs replacing.

While the remote control is not operational, the alarm may be armed/disarmed using the electronic "Electronic key/s" supplied.

### **REMOTE CONTROL BATTERY REPLACEMENT**

If the battery needs replacing open the remote control cases using a small Phillips screwdriver (see fig. 5), then replace the battery with either 'Gold Peak GP23A' or 'Duracell MN21' or equivalent quality branded battery. Once you have replaced the battery it may be necessary to reset the remote control. To do this, stand next to the vehicle, press and hold the arm/disarm button. Within approximately 5 seconds, the remote control LED will become dim. Press the arm/disarm button again and the alarm system should respond.

## WARNING

**ALARMS MUST NOT BE STEAM CLEANED OR PRESSURE WASHED.  
BEFORE CARRYING OUT ANY ELECTRICAL WORK ON THE VEHICLE ISOLATE THE  
SYSTEM BY REMOVING SYSTEM FUSE/VEHICLE BATTERY OR DAMAGE TO THE  
ALARM MAY RESULT!**

## TECHNICAL DATA

POWER SUPPLY:.....	12V	DC
CURRENT DRAW WITH ALARM ON:.....	23	mA
CURRENT DRAW WITH ALARM OFF .....	13	mA
EXIT DELAY:.....	40	seconds
ALARM DURATION TIME:.....	30	seconds
ULTRASONIC SENSOR FREQUENCY:.....	40	KHz
STARTERSTOP ENGINE RELAY CONTACTS CAPACITY (996V3):	30	Ampere
IGNITION STOP ENGINE RELAY CONTACTS CAPACITY (996V3):	10	Ampere

## NOTE

Manufacturer declines any responsibility for damage of the immobiliser and the vehicle electrical system due to WRONG INSTALLATION OR TAMPERING.  
LASERLINE SpA RESERVES THE RIGHT TO EFFECT CHANGES OF THE PRODUCT WITHOUT FURTHER NOTICE.

## LIFETIME WARRANTY

Product warranty covers units to be free from defects in manufacture for the lifetime ownership of the original vehicle, in accordance with the terms and conditions of this warranty document.

Any product, which is deemed to be defective, will be replaced or repaired. Accessories including remote controls, touch keys and additional modules are guaranteed for a period of 12 months from date of installation.

## Terms and Conditions

1. Product must be installed by an authorised qualified installer.
2. If product is transferred by an authorised installer onto another vehicle then in this case the warranty reverts back to 2 years from the date of the original installation.
3. Warranty is not transferable by the original customer to other owners of the product or accessory.
4. The customer must complete and return the warranty registration document within 21 days from date of purchase in order for the warranty to be valid.
5. The warranty covers product only and not the quality of the installation. The warranty for installation is provided by the installer. We cannot be held responsible for costs arising due to incorrect installation.
6. All warranty claims must be directed through the original installer, accompanied by the original invoice, detailing date of installation and annual service record. Failure to do this will render the warranty invalid.
7. Continuance of product warranty is subject to an annual product service check for which a small charge may be levied by any authorised installer. Evidence of service check record must be provided in support of warranty claims.
8. Warranty does not cover costs incurred for breakdown assistance or vehicle recovery, due to product or accessory failure. Warranty does not extend to reimbursement for damage due to defects in products or accessories.

## Exclusions from Warranty

Warranty will not be valid due to the following:

1. Poor response to transmitters due to abnormally high electromagnetic interference.
2. Low battery voltage in transmitters.
3. Abuse or mistreatment of any product or accessory.
4. Loss or damage due to accident, fire, lightening, explosion, flood or water, war or civil disturbances.
5. Damage caused by external electrical source or from abnormal variation or failure of power supply.
6. Failure caused by installation of accessories not approved by the product manufacturer.
7. Failure of product occurring outside Great Britain.
8. Replacement of defective parts within the guarantee period does not include consumable parts or include labour.
9. If product is repaired by a non authorised installer the product will cease to be covered by the warranty.
10. Original manufacturer negligence.

## Consumer Details

All warranties are limited to the duration of this warranty.

This is the complete warranty and no other express or implied warranty is valid. Nothing in this warranty shall affect your statutory rights.

**IMPORTANT NOTE  
FAILURE TO COMPLETE AND RETURN THIS CARD WILL RESULT IN YOUR  
WARRANTY BECOMING VOID.**

## CUSTOMER LIFETIME WARRANTY REGISTRATION

Alarm/Immobiliser Model No. .... Make.....

Accessories Fitted ..... Model.....

Date of Installation..... Reg.No.....

Customer Name..... Year of Manufacture.....

Address.....  
.....

Postcode ..... Tel No. ....

Installer Name ..... Account No. ....

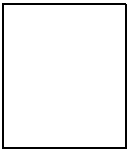
Address.....

Postcode ..... Tel No. ....

**I have read and understood the terms and conditions of the Customer Lifetime Warranty.**

Customer Signature

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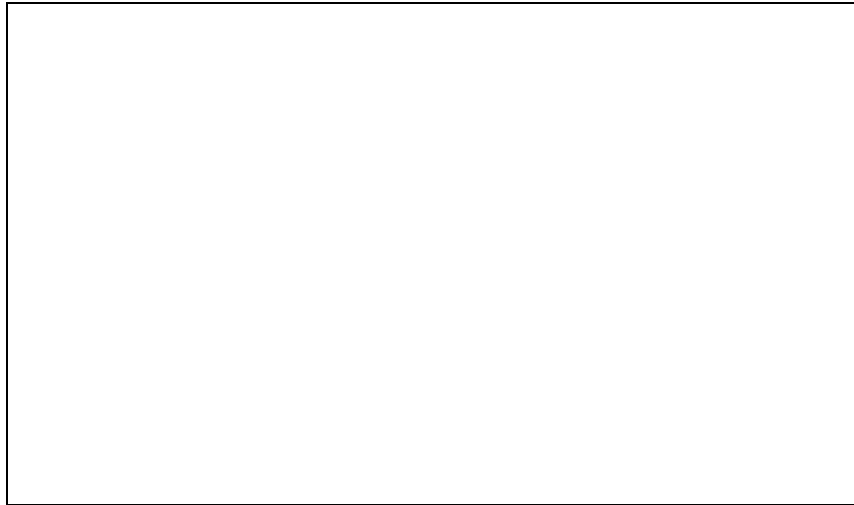
**Return to:  
LSP AGENCIES  
33 CRAVEN COURT  
WINWICK QUAY  
WARRINGTON  
CHESHIRE  
WA2 8QU**

**Service Inspection**

<b>1 YRS</b>	<b>2 YRS</b>	<b>3 YRS</b>	<b>4 YRS</b>
INSTALLER'S STAMP	INSTALLER'S STAMP	INSTALLER'S STAMP	INSTALLER'S STAMP
CERT No. DATE SIGNATURE	CERT No. DATE SIGNATURE	CERT No. DATE SIGNATURE	CERT No. DATE SIGNATURE
<b>5 YRS</b>	<b>6 YRS</b>	<b>7 YRS</b>	<b>PLEASE NOTE</b>
INSTALLER'S STAMP	INSTALLER'S STAMP	INSTALLER'S STAMP	The above Service Inspection must be carried out in order to ensure the validity of the <b>Customer Lifetime Warranty.</b>
CERT No. DATE SIGNATURE	CERT No. DATE SIGNATURE	CERT No. DATE SIGNATURE	

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Dealer Stamp



**Our commissioned Sales and  
Support Agents in the UK are Laserline Direct  
33, Craven Court - Winwick Quay  
Warrington - Cheshire WA2 8QU  
Phone Number 01925 406300 (Sale support)**