

# ALARM / IMMOBILISER SYSTEM MODEL PARALYSER 500 USER INSTRUCTIONS

This system meets Australian Standards 3749.1-1997 (Test report EMC980303.00)

Congratulations on having one of the world's most advanced and unique Australian designed and engineered vehicle security systems installed in your vehicle!

Following these simple instructions will assure you of a trouble-free security system.

The PARALYSER 500 utilises state of the art random encryption techniques for the coding. Every time the Paralyser 500 is activated, a new random code is used, making it virtually impossible for the most experienced professional thief to scan or code grab the transmission. About 18,000,000,000,000,000,000 different codes ensure this. This sophisticated Australian developed product has become the benchmark for quality vehicle security systems. The system must be installed by a Dynamco approved installer.

## ARMING AND DISARMING

To arm or disarm the entire system, press the larger button on the remote control. Arming the alarm is accompanied by two flashes of the vehicle's indicators and two beeps from the siren. Disarming is indicated by one flash and one beep. The Paralyser 500 consists of two sections, a 2 circuit engine immobiliser and an alarm system. Only the immobiliser section arms automatically 30 seconds after ignition turn off and again rearms in 30 seconds if disarmed. To include the alarm the remote control has to be operated within 30 seconds after the ignition has been turned off. In this case both the immobiliser and the alarm will switch on. If central locking is included, the doors will also lock.

If the immobiliser has already armed itself, it is necessary to press the button on the remote control twice to arm the immobiliser and the alarm.

## SILENT ARMING/DISARMING

To temporarily disable the arm/disarm confirmation chirps, first press the smaller button for approximately half a second, then press the larger to arm or disarm the system.

## PANIC

Pressing the larger button on the remote control for more than 2 seconds while the system is armed or disarmed, will cause the system to enter the panic mode. In this mode the indicators flash and the siren will sound. The panic mode will continue for 30 seconds. Pressing the same button again will cancel this instantly.

## CAR FINDER

If the smaller button is pressed for more than 2 seconds while the system is armed, the siren will emit a series of chirps and flash the hazard lights to tell you where the car is.

## BOOT RELEASE (OPTIONAL)

Disarm the system then press the smaller button and keep it pressed until the boot is released. This will take about 3 seconds. The vehicle's indicators will flash four times to confirm the boot lock has been released. Vehicle Protection

- Opening any of the doors, boot or bonnet will cause the alarm to sound.

- The battery voltage of the vehicle is monitored and any rapid voltage drop will trigger the alarm. e.g., any interior light, brake light, the ignition being switched on, etc.

- The alarm also flashes the hazard lights when the siren sounds.

- Any attempt to break a window will trigger the alarm. You can test the glass breakage system as follows: Wind up all



## Superior Vehicle Security

the windows. set the system wait about 30 seconds hit the driver's window gently with a set of keys to trigger the alarm.

## SIREN

When the alarm is triggered, the siren will sound for approximately 30 seconds then reset and rearm. The siren is equipped with a battery back-up, which means the siren comes with its own rechargeable batteries designed to power the siren in the event of a thief cutting the power wire to the alarm system or siren.

The siren also has an automatic battery check. Each time the ignition is turned on the system's controller checks the voltage of the siren battery. If the siren battery is not in good condition the indicator lights will flash twice.

## COURTESY LIGHT ACTIVATION

After disarming the alarm, the system will turn on the vehicle's interior light for a period of sixty seconds or until the ignition switch is turned on.

## CENTRAL LOCKING

Vehicles fitted with central locking can be coupled to the alarm, so that when arming the doors will lock and when disarming, the doors will unlock. If the Courtesy Light Activation feature has not been selected, the doors will re-lock three minutes after the alarm has been disarmed, providing no doors have been opened during this time.

## ENGINE IMMOBILISATION

Once the system is armed, the vehicle's engine is immobilised in two different areas. The actual points of immobilisation are vehicle/installer dependent. A choice of ignition, fuel or starter can be immobilised. If any power wire is cut to the system control module, the engine is automatically immobilised. If a battery lead is disconnected the re-connected, the system always reset to the operational condition it was in before losing power.

## OVERRIDE

In the case of an emergency, it is possible to override the alarm and immobiliser by inserting the key in the siren and turning it anti-clockwise about 90 degrees. The immobilisation will be bypassed as well as the alarm switched off. The vehicle can be started and driven. The system will however rearm itself 30 seconds after the ignition has been turned off. To override the immobilisation again, it is necessary to turn the override switch on the siren to the on and then off position again.

IT IS NOT POSSIBLE TO LEAVE THE SYSTEM IN A PERMANENTLY OVERRIDDEN CONDITION.



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## CHANGABLE OPTIONS

The P500 features a small list of options that can be enabled and disabled via the vehicle's ignition switch. The table below describes each one.

Option #	Description	1 Flash	3Flashes
7	Program remote	Press new remote	
9	CDL Time	0.8sec	3.0sec
11	Auto-Arming	Imm only	Alarm&Imm
13	Arm/Diarm chirp	Disabled	Enabled
15	Millivolt sensing	Disabled	Enabled
17	Door delay	5 sec	35 sec
19	Over-ride	N/A	N/A

To alter the setting of a given option :-

- Disarm P500.
- Open and leave open the driver's door.
- Turn ignition key to ON the number of times corresponding to the option number.
- Leave ON when correct count is reached.
- Momentarily press main remote button immediately after indicators flash once.
- Indicators will then respond with one or three flashes (see table for setting description).

## PROBLEM SOLVING

System won't trigger when the door is opened

1. Make certain the alarm has been manually armed. LED should be flashing.
2. Make sure that the interior dome light has not been left in the permanently ON position.
3. Make sure that you have allowed at least 30 seconds after setting the alarm, before opening the door.

System won't activate or deactivate. LED won't flash or extinguish

1. Make sure that ignition switch is in the OFF position.
2. Make sure the vehicle battery is not flat.
3. Try your spare key ring unit.

Open Door Warning

If any of the doors or the bonnet are open when the system is armed, a series of chirps will be emitted by the siren to warn you of this situation.

Boot fails to trigger the alarm

1. check the vehicle fuse that supplies the power to the boot light.
2. check that the boot light switch is operating.

## DIAGNOSTICS

The system is equipped with a diagnostic feature enabling the user to determine which zone has been triggered since the system was last armed. When the system is disarmed, the unit will report whether

any of its six zones have been violated. The status LED and indicator lights will flash a number of times indicating the cause of the trigger.

1. bonnet has been opened
2. boot has been opened
3. door has been opened
4. attempted glass breakage
5. attempted hot wire.
6. auxiliary trigger (optional extra)

## FALSE ALARMS

All false alarm problems can be easily and swiftly dealt with, providing the diagnostic report given after a trigger is documented and passed on to the service person. However some problems are easily solved by the user.

1. with a 1 diagnostic flash - check condition of bonnet switch.
2. with 2 diagnostic flashes - make sure that the battery terminals are tight & free of corrosion, battery water level is OK.
3. with 3 diagnostic flashes - ensure all doors are closed properly, check interior light does not switch on and off if door is pushed when shut.
4. with 4 diagnostic flashes - glass breakage detector

sensitivity is too high for the vehicle, please arrange with your nearest service centre to have the glass breakage inspected & adjusted.

5. with 5 diagnostic flashes - please arrange with the nearest service centre for an inspection.

6. with 6 diagnostic flashes - when vehicle is fitted with ultra -sonic detectors, make sure all windows are shut when the alarm is armed.

## MAINTENANCE AND CHECKING

• About every 3 months apply a small amount of CRC or WD40 to the bonnet switch

• It is also important to periodically check the various functions of the alarm to ensure that the system is performing correctly.

• It is advisable to replace the batteries in the remote controls at least every year. The batteries used are 12 volt type 23A.



## SPECIFICATIONS

Manufactured by:	Dynamco Pty Ltd
Model Number:	Paralyser 500
Supply Voltage:	+12 volts
Current consumption:	<30mA
Country of manufacture:	Taiwan

## WARRANTY

This product is warranted by DYNAMCO PTY LTD, 10 Brown Street, East Perth, WA 6004. Subject to the conditions stated below, to be free from manufacturing defects and faulty material within the warranty period stated below.

## CONDITIONS

That the warranty registration has been completed in full at the time of purchase and 1 or installation and is produced when warranty service is sought. The warranty does not cover general maintenance such as cleaning of bonnet switches and door switches, light switches etc., nor replacement of consumable items such as pilot lamps or transmitter batteries.

This warranty shall be null and void if.

I. The product has been repaired by any person other than by an Authorised DYNAMCO Service Centre.

II. Should a defect become apparent within the warranty period DYNAMCO LTD will repair the product free of charge for parts and labour. Should a mobile service be required a call-out charge may apply.

III. The product has been altered or tampered with in any way or the serial number altered, defaced or removed.

IV. The defect has been caused by negligence by the owner or their agent.

V. The product has not been operated correctly, installed by an Authorised DYNAMCO installer or has been subjected to misuse or undue wear and tear

VI. Siren or control module are damaged by water.

The warranty does not cover the following costs:

I. Transport of the product to and from DYNAMCO Service Centres.

II. Insurance of the product in to or from the DYNAMCO Service Centres.

III. Cost of any service call where the product is found by DYNAMCO to be in good working order.

The benefits conferred by this Warranty are in addition to all other rights and remedies which the consumer has conferred in law. Annual Inspection DYNAMCO prides itself on the durability and integrity of its car security systems. We welcome users to contact a DYNAMCO Service Centre every 12 months for an annual system inspection.