

SHIFT LIGHT PRO

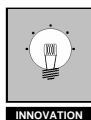
INSTALLATION AND USER INSTRUCTIONS

OMEX TECHNOLOGY SYSTEMS LTD
3 Mackenzie Way
Manor Road
Cheltenham
GLOS GL51 9TX

T: +44 (0)1242 260656 F: +44 (0)1242 578069

Email: info@omextechnology.co.uk

www.omextechnology.co.uk



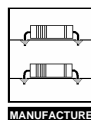
INNOVATION



RESEARCH



DESIGN



MANUFACTURE



QUALITY

e11 72/245 - 95/54 - 1573 - 00
EUROPEAN TYPE APPROVED

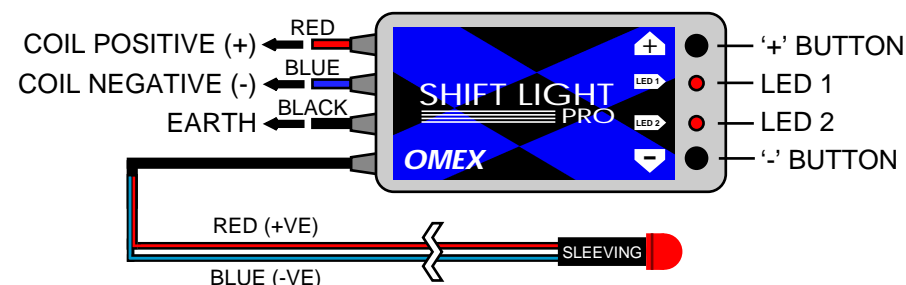
VERSION K

OMEX
PERFORMANCE ELECTRONICS

SHIFT LIGHT
PRO

Please ensure that you read this manual thoroughly before you install this unit. In conjunction with this Shift Light, we recommend use of a high quality rev limiter, such as the Omex Rev Limiter Clubman or Rev Limiter Clubman with Launch Control.

This unit is suitable for most 4-stroke petrol engines and most ignition types, including CDI systems with tachometer output.



INSTALLATION

Ensure that the ignition is turned off before starting installation.

The unit is connected to the engine using the attached colour coded wires and the supplied cable connectors.

- BLUE WIRE** Connect this to the coil negative (-) terminal
- RED WIRE** Connect this to the coil positive (+) terminal. If this is not easily accessible then this wire can be connected to any positive feed that is switched by the ignition switch.
- BLACK WIRE** Connect this wire to any good electrical connection on the car bodywork. A self-tapping screw and spring washer are supplied for this purpose if no bolt heads are within easy reach of the wire. It is essential that a good quality connection is made.

Keep wires clear of hot or rotating parts using the supplied cable ties.

CDi IGNITIONS - Telephone our help line for specific instructions.

Distributorless Systems - Use the tachometer output from the ECU, or one of the coil negative connections. For Dual Coil vehicles ALWAYS set the number of cylinders to two

MOUNTING THE LED - Ensure the LED is facing straight towards the driver. Drill a 14mm hole in the dashboard. Poke the LED fully through the hole from behind the dashboard. Clip the bezel on to the LED. Push the bezel and LED assembly back into the hole.

MOUNTING THE UNIT - Remove the backing from the adhesive pad on the back of the unit and mount it to a clean, flat, grease-free surface. **Keep the unit away from hot or exposed areas. Ensure that the unit and all wires are kept as far as possible from the HT parts of the ignition system.**

EXTERNAL DRIVER - To use this, cut off both the LED and all the sleeving. Connect your external lamp or buzzer to the red (positive) and blue (negative) wires. The driver can supply a maximum of 0.5 Amps / 6 Watts . **The two wires must never come directly into contact with each other or the positive or negative connections. This may damage the unit or your vehicle.**

SETTING UP

The two buttons and LED indicators allow you to set and control all the functions on your Shift Light Pro. During manufacture, the unit is programmed to the most common settings. These may be changed by the following procedures:-

SETTING THE NUMBER OF CYLINDERS

During manufacture, the unit is set to four cylinders. To change this, turn the ignition to the 'off' position. Press and hold down the '+' button. Whilst still holding the '+' button, turn the ignition on, **but do not start the engine**. The two LED indicators situated between these buttons will show the cylinder setting (see table below). Let go of the button.

	CYLINDERS			
	4	6	8	2
LED 1	●	●	●	●
LED 2	●	●	●	●

To change the cylinder setting, press and release the '+' button (or '-' button). The number of cylinders will go to the next (or previous) setting. To exit from Set Cylinder mode, turn the ignition off or start the engine.

**Changing the number of cylinders automatically
Resets the rev limit to 6,000 RPM**

SETTING THE SHIFT POINT

The shift point can be increased or decreased in steps of 100 RPM, allowing for an extremely accurate shift point, irrespective of tachometer error. **The unit is set to 6,000 RPM during manufacture.** To prevent accidental change of the rev limit, the unit must be put into 'set shift point' mode. To do this, turn the ignition on - **but do not start the engine** - then press and hold both buttons. Both LEDs will flash briefly. Release the buttons.



The '+' button will increase the shift point by 100 RPM each time it is pressed and released. LED 1 will flash to confirm this.

The '-' button will decrease the shift point by 100 RPM each time it is pressed and released. LED 2 will flash to confirm this.

When the unit reaches its maximum or minimum possible setting, both LEDs will flash. When you have finished, either start your engine (the new setting will be fully operational) or turn off the ignition.

For example - The Shift Light Pro has a factory setting of 6,000 RPM. So, if whilst in 'set' mode, the '+' button is pressed 10 times (i.e. + 1,000 RPM), the new limit will be 7,000 RPM.

The Maximum Shift Point is 20,000 RPM (4 cylinder), 12,000 RPM (6 cylinder), 10,000 RPM (8 cylinder) and 20,000 RPM (2 cylinder).

The Minimum Shift Point is 1,000 RPM for all number of cylinders.

RESETTING THE SHIFT POINT - in order to provide a reference point, you may wish to reset the unit back to 6,000 RPM. To do so, switch the ignition to the 'off' position. Press and hold down both buttons, then turn the ignition on, **but do not start the engine**. Both LEDs will flash twice to show the rev limit has been reset. The unit will automatically enter into the 'set' mode (see above) as you let go of the buttons.

CUSTOMER CARE

As part of our commitment to providing the best possible products and aftersales service, we operate a telephone Help line and Warranty Care service. For any queries, just call during office hours or email and we will endeavour to resolve the problem.

WARRANTY

OMEX TECHNOLOGY SYSTEMS LTD (OMEX) warrants that if the whole or any part of the REV LIMITER CLUBMAN is defective as to materials or workmanship, provided that such defect is notified to OMEX as soon as the customer becomes aware and in any event within one year of purchase from OMEX or one of its distributors, OMEX will make good the said defect without charge by repair or, at the discretion of OMEX, by replacement. The warranty does not extend to defects caused wholly or partly by improper use, failure to follow installation or operation instructions, wilful default, act of God, or accident.

OMEX will not be held liable for any injury, damage, direct or consequential loss, however caused relating to the OMEX REV LIMITER CLUBMAN.

The Omex product range is European Type Approved and therefore legal for vehicle road use.

Attention. Within the EU, used electrical and electronic equipment should not be mixed with general household waste; it must be treated separately and in accordance with legislation that requires proper treatment, recovery and recycling. Private households may return their used electrical and electronic equipment to designated collection facilities free of charge. If the product is used for business purposes and you want to discard it, small quantities may be taken back by your local collection facilities. Please contact your local authority for further details. Outside of the EU, please contact your local authority for advice.

