

MoTeC

SLM - SHIFT LIGHT MODULE



The SLM (Shift Light Module) may be used for shift lights, warning lights or other indicators as programmed by the user.

It provides eight multicolour LED indicator lights in a compact array. The colour, intensity and purpose of each LED can be controlled independently, providing enormous flexibility and scope for customisation.

A set of patterns can be defined with various colour combinations and flashing modes, to indicate, for example: stop immediately, continue with caution, pit lane speed limiter active and, of course, up-shift and down-shift. The LEDs can be programmed in a priority order so that, for instance, a warning light can override a shift light.

The SLM is configured and controlled using a MoTeC ECU or Display/Logger. Compatible MoTeC devices have special programming functions for the SLM.

► FEATURES

- Connects via CAN
- Fully programmable functionality
- User defined colours and patterns
- Adjustable brightness
- Various mounting options
- Manufactured to withstand harsh environments (IP66)

An SLM-C (#18122) is also available for use as a fixed, three-stage shift light and warning light.

► SPECIFICATIONS

Display

- 8 full colour (RGB) LEDs

Physical

- Case size 81.2 x 19.0 x 16.0 mm
- 1 x 4 pin DTM connector, flying lead.
- Wire lead can be flexed to exit horizontally or vertically flush with the back edge of the case.
- Fastened using standard mounting holes on the base. Optionally, the two screws securing the back cover can be removed and used to mount the device from the rear.

Communications

- 1 x CAN

→ Important: The SLM is wired onto the CAN-bus. Please ensure the CAN-bus has a terminating resistor of at least 100Ω.

Detailed CAN-bus wiring instructions can be found in ECU and Display/Logger manuals, available from www.motec.com.au/downloads

► COMPATIBILITY

- MoTeC ECUs: M1 Series, M400, M600, M800, M880, M84
- MoTeC Displays/Loggers: All

► CONFIGURATION

The SLM has no standalone software. It is configured using the SLM function in the Manager Software of the controlling device (Display/Logger or ECU).

For example: Use C185 Dash Manager if the SLM is controlled by the C185 Display/Logger.

M1 ECU Control

To configure an SLM when controlled by an M1 ECU, refer to the Technical Note (#CTN0031), available from www.motec.com.au/downloads.

Hundred Series/M84 ECU Control

Using the MoTeC ECU Manager software, from the *Adjust* menu click *General Setup > Communications > SLM*:

- Click *Setup* to adjust *Driver Warnings, Intensity, Filter* and *Hysteresis*. Information on each setting will be given on the screen.
- Click *Shift Table* to set the colour for each light. Press F1 for information on setting colours.

Display/Logger Control

The Dash Manager software has control options similar to the ECU software.

Using the relevant MoTeC Dash Manager software, from the *Functions* menu click *Shift Light Module* to set up the shift light patterns. Press F1 for extensive information on all available settings.

► PINOUT

Connector: DTM 4 Pin (M) Mating connector: DTM 4 Pin (F) #68054		
Pin No	Colour	Description
1	Black	Ground (Battery -)
2	Green	CAN Low
3	White	CAN High
4	Red	+ 12 V (Battery +)

► DIMENSIONS AND MOUNTING

All dimensions in mm.

