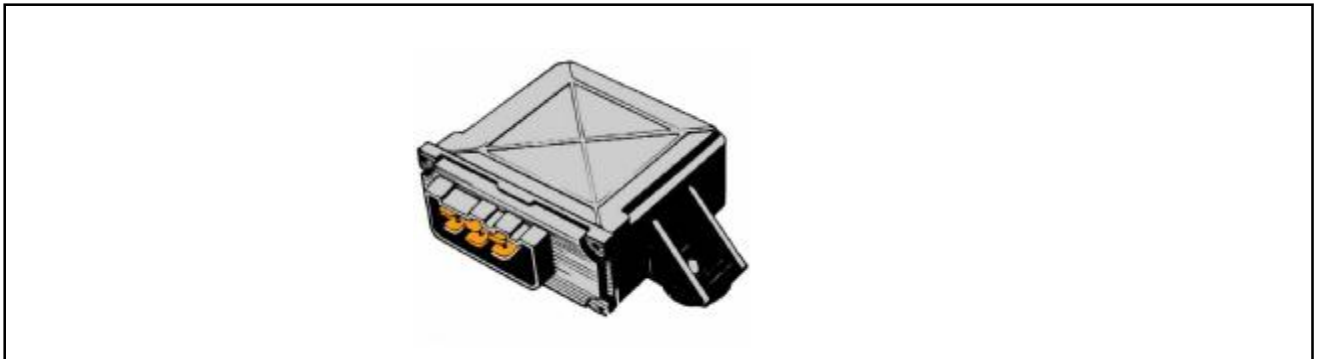




DIMMER KIT – FOR DASH LIGHTS

Installation Instructions for – P/no. DK101P, 12/24VDC module



GENERAL

The DK101P Dimmer Kit is designed to supply a variable voltage out to an automotive type dashboard. Utilising a DK101M Dimmer Control Module, a variable potentiometer and a pre-wired adaptor harness the system can easily be fitted to a new installation. Alternately an existing dashboard may require secondary dimming for part of the circuit, to power equipment not included in the original manufacturers wiring. Extra illumination lamps are often included as part of any after-market accessories such as radio/CD players, CB radios, etc, and the total wattage of these, combined with the original dash illumination is usually more than the design rating of the OEM dimmer.

FITTING INSTRUCTIONS

1. Locate a convenient mounting place in the instrument panel or under the dash near the fuse panel and mount the DK101M Dimmer Control Module. Screws (3/16" or 5mm), double sided tape, or silicone are all acceptable.
2. This module can become quite hot during normal operation and requires ventilation space around it for cooling. Do not mount in areas of high ambient temperature.
3. Mount the Variable Control in a 52mm hole in the dash or remove the pot and mount it direct into an 8mm hole.
4. Connect the RED wire to a suitable positive source, via a 5 amp fuse. This must be live whenever the dash lights are required to be on. Usually this will go to the equivalent of the 'park light' position on a headlight switch.
5. Connect the BLACK wire to a good earth or ground connection.
6. Connect BLUE wire to the dash lights to be dimmed.
7. Note: maximum output is 3 Amps at 12/24Vdc, ie: 36 Watts. Refer to the Connections and Wiring Diagram sections.

NOTE: This kit is designed as a universal unit to suit as many automotive/marine type applications as possible. However there may be some systems where the input or output signals are not compatible with this unit. The manufacturer is not responsible for incorrect fitting or damage caused by or during the fitting of this module.

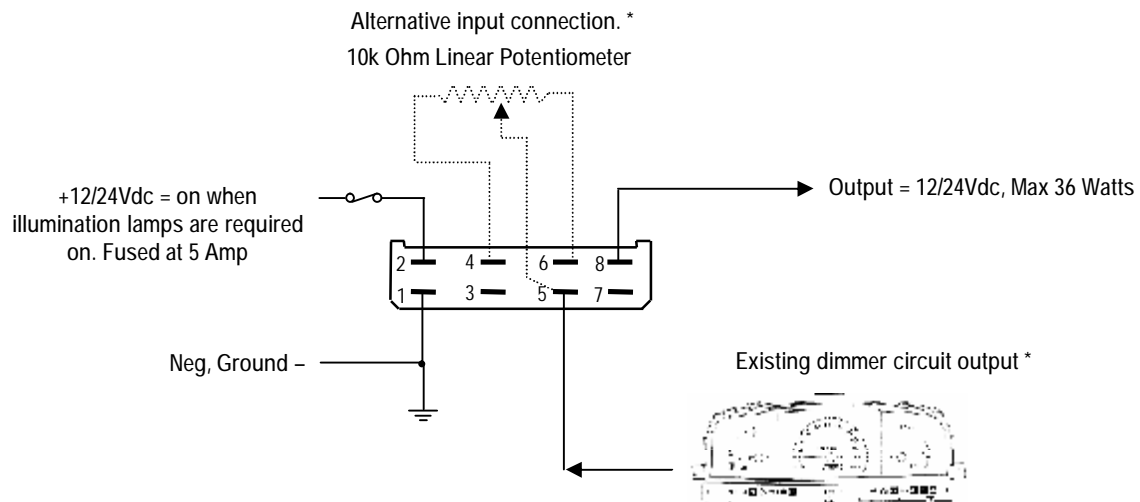
CONNECTIONS

Terminal connections are as follows...

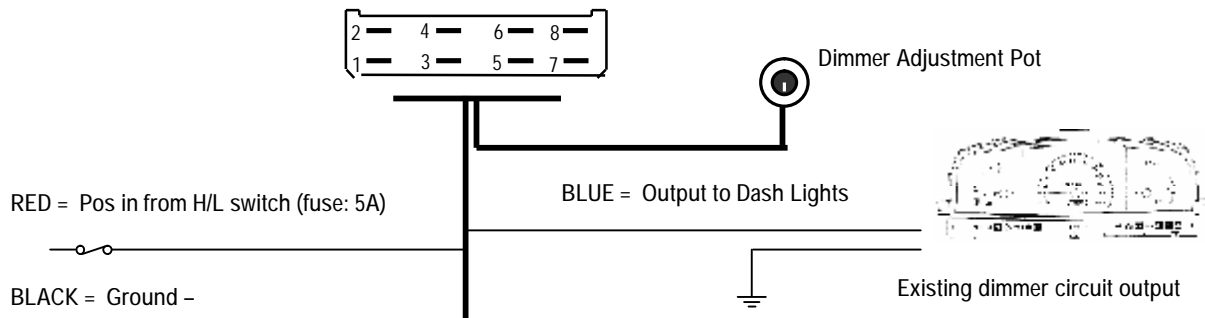
Black	= Negative or Ground, 0Vdc
Red	= +12/24Vdc via Headlight Switch, Park light circuit; or positive when dash lights are on.
Blue	= Output Signal to dash lights. Square wave, variable duty cycle (approx 50 – 100%) Maximum current 3 Amps at 12/24Vdc

WIRING DIAGRAM

DK101M – WIRING DIAGRAM for Module Only



DK101P – WIRING DIAGRAM for Complete Kit



SETTING

1. The unit is preset to follow the voltage on the input terminal within an average +/- 2 Vdc.
2. No setting is necessary.
3. This unit is designed for 12/24Vdc negative ground systems, for other systems contact SiemensVDO Australia.
4. The unit is to be used for independently controlling up to a maximum of 36 Watts with a separate potentiometer. No original dimmer circuit is required.
5. This unit is usually connected to manufacturers wiring harnesses, where the plug and terminals are already supplied. If extra plugs and terminals are required please order under the appropriate VDO part numbers.

SPECIFICATIONS

Dimensions: Module - 68 x 30 x 73mm deep, overall box dimensions.
 Mounting: Hole centres...83mm, mounted height...35mm, box with plug & wiring allow min 110mm.
 Voltage: 12/24 VDC negative ground.
 Current: Module = 10mA at no output – 45mA + Load at full output.
 Output rating: Square wave at ~ 50 – 100% duty cycle, Maximum 36Watts at 12/24 Vdc.

For any queries, application data or technical information call your supplier or Continental Pty Ltd on 03 9468 1151