

short form data

LED-dim

12 & 24V rotary dimmer switches



Description

To obtain the optimum lit effect it is sometimes necessary to adjust the brightness of lighting using a dimmer switch. Dimmer switches used for conventional lighting including tungsten halogen, fluorescent, compact fluorescent and 230V lamps are unsuitable for use with LED lighting.

LEDim is a simple, reliable and economical to use, rotary style PWM dimmer featuring a linear potentiometer mounted in an ABS enclosure with a removable and plug-in terminal block for easy wiring. External flanges provide 4-fixing points. Alternatively, the push-on knob can be removed and the whole unit panel mounted and fastened with the nut the spindle.

These switches are designed to provide smooth brightness control of single colour, constant voltage LED arrays up to 8amps. Available in one version which is suitable for both 12V and 24VDC loads. Brightness is adjusted by turning a rotary knob which can also be used to switch the lighting off.



- One version LEDim12/24V suitable for both 12V and 24V DC
- Dimming method: Pulse Width Modulation
- 8A max
- Single channel output
- Rotary knob for on/off and brightness
- All plastic construction
- Simple installation & connection
- Compact size L89xW59xH35mm (ex knob)
- Power consumption less than 1W

Applications

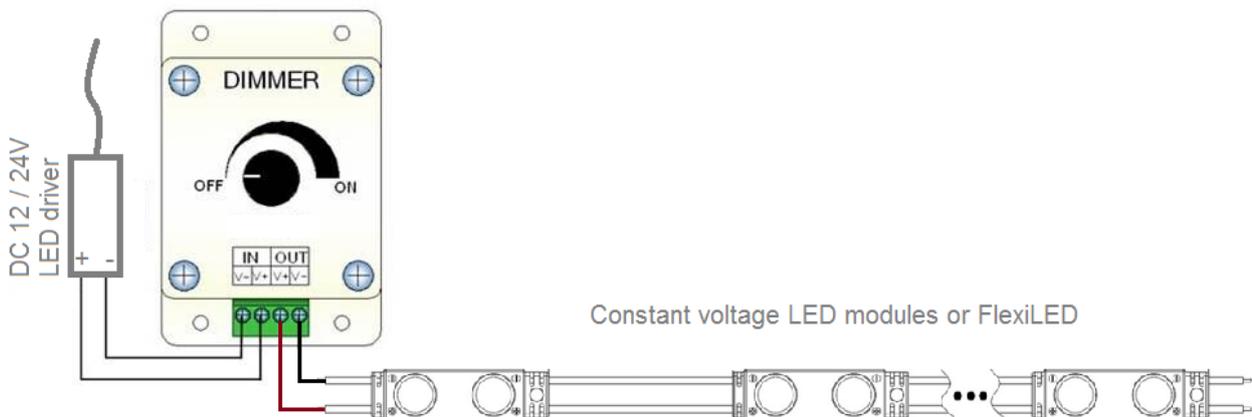
Low power, manual dimming control of 12 or 24V d.c. constant-voltage, single colour LED arrays

Compliance

IP20 RoHS CE

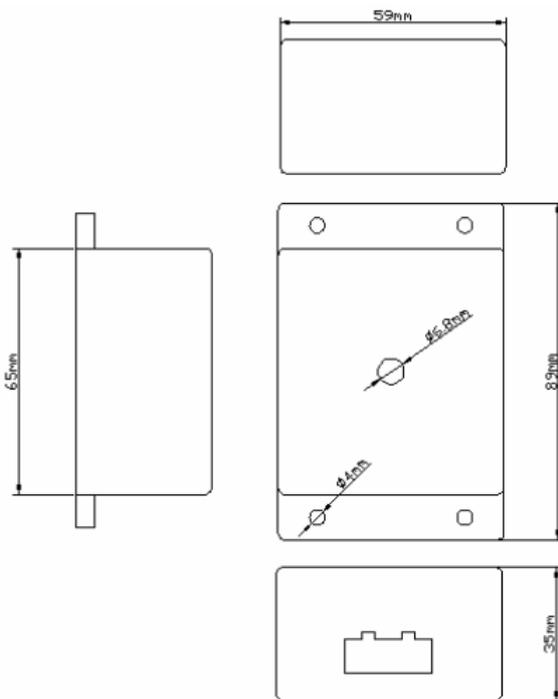
Connections

A low-voltage power supply unit (PSU) is required and is shown in the diagram but not included with the



dimmer module. Use a 12V d.c. or 24V d.c. constant voltage supply appropriate for the LEDs connected.

Dimensions



Unsuitable for constant current PSUs and LEDs (e.g. 350mA, 700mA-Super Orbis LED) operation.

Screw terminals are provided for a low-voltage input + positive and – negative (from PSU) and output + positive and — negative (to the LED array). Avoid short circuit. Connect output to load first.

Special care should be taken to prevent short circuit when screwing down stranded wires. Rotate the knob right for highest brightness and left for lowest brightness and off.

Not for connection to the normal 'Mains' supply

Part no. and descriptions

LEDdim12/24 rotary inline dimmer module

Warranty: 1 year | Dimensions in millimetres | Data subject to our Terms and Conditions and are liable to change without notice | E&OE



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