Instructions for VARILIGHT 1-10V Dimmer Switches

OVERVIEW

Thank you for choosing a VARILIGHT dimmerswitch. This dimmerswitch is designed for high frequency dimmable ballasts that require a 0–10V or 1–10V control signal.

LOADING

This dimmerswitch is designed to work with one or multiple dimmable ballasts up to 20mA. The mains switch is rated at 230V a.c. 6A maximum. Do not use this dimmerswitch for any other purpose. The dimmerswitch will be damaged if used for these applications. Do not connect the 1–10V control terminals to the mains. Incorrect use will make your guarantee invalid.

WARNING: The switch in this product is rated at 6A. Check the in-rush current for LED bulbs or drivers does not exceed 6A before connecting. Fit inrush current limiters where necessary.

LIFETIME GUARANTEE

Varilight will repair or replace faulty units due to defective materials or workmanship, provided that:

- The unit has been installed correctly, used only with compatible loads, and not overloaded or run on an incorrect power supply.
- The dimmer module has not been tampered with. Faulty modules from multi-gang units may be removed for servicing without affecting other modules.
- The unit is securely packaged and returned with proof of purchase, fault details, and load type/wattage.

This guarantee states Varilight's entire liability, which does not extend to consequential damage or installation costs or lamp/dimmer incompatibility issues. This guarantee does not affect your statutory rights.

Contact: +44 (01293) 223333 or varilight.co.uk/help

Guarantee Registration Number: MFP1M1_01

FITTING YOUR DIMMER SWITCH

Read these instructions carefully before installation. Incorrect wiring may permanently damage the dimmer switch. If in any doubt, consult a qualified electrician.

1. **Switch off the mains supply**, then remove the existing switch. Disconnect the wiring from the terminals, taking careful note of how each wire is connected and the terminal markings. Where two or more wires share a terminal in the old switch, they must be kept together in the same terminal on the dimmer switch.
2. **Wall box compatibility:** Most models require a box with a minimum depth of 25mm — a standard flush plaster-depth box or surface-mounted switch box is suitable. If the box has four fixing lugs, the top and bottom lugs must be broken off or bent flat before fitting.
3. **Wiring configuration:** For 1-way and 2-way circuit wiring, refer to the diagrams and instructions overleaf. Ensure no bare wire is exposed outside any terminal. In a 2-way circuit, only one dimmer switch may be used — the second switch must be a standard (non-dimming) switch.
4. **Control signal wiring**: Use screened 2-core cable for the 1–10V control signal. The outer (screening) conductor must be earthed at one end. Do not connect the 1–10V control terminals to the mains supply.
5. **Earthing (metal front plate models only)**: If your dimmer switch has a metal front plate, it must be earthed using the earthing point provided on the unit.
6. **Final installation**: Once wired, carefully screw the dimmer switch into the wall box, ensuring the front plate is not distorted or cracked and that no wiring is trapped between the dimmer and the back of the box. Restore the mains supply, switch on the dimmer, and set the control to your desired light level.

MFP1M1

1-10V 2-Way Push On/Off F-Series Dimmer Module for LED Drivers

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VARILIGHT®

Please unfold for full instructions

For FAQs, please visit:
www.varilight.co.uk/

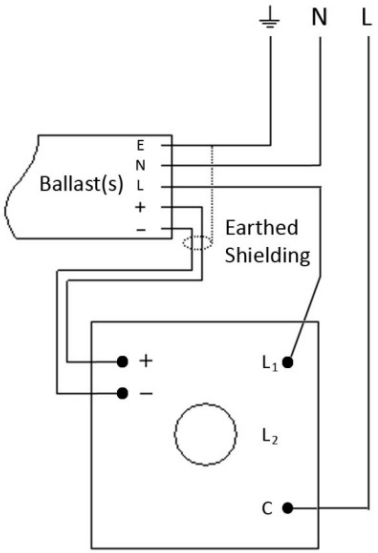
Installers – leave these instructions with the customer.
Batch Number: Please record the number printed on the rear plastic moulding for technical support.

Batch number:_____

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1-Way Lighting Circuits

A 1-way lighting circuit controls lighting from a single location. This dimmer switch features a push-on/push-off action, allowing you to turn the lights on and off while retaining your chosen brightness level.



Wiring Instructions

1. Connect the circuit wires to the **"C" and "L1"** terminals of the dimmer switch — these can be connected either way round.
2. Leave the **"L2" terminal** unused — it is not required for a 1-way circuit.
3. Connect the signal wires from the ballast(s) to the **signal terminals (+ and –)** on the dimmer switch.

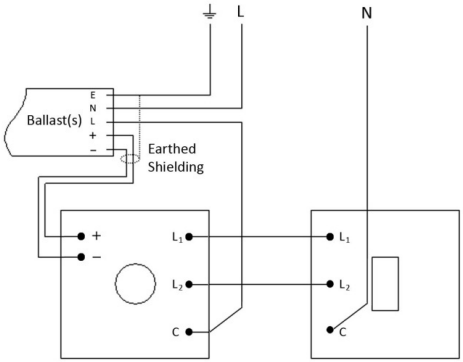
2-Way Lighting Circuits

A 2-way lighting circuit uses two switches to control the same light(s) from two separate locations — for example, at the top and bottom of a staircase. In this configuration, a maximum of one dimmer switch is permitted per circuit.

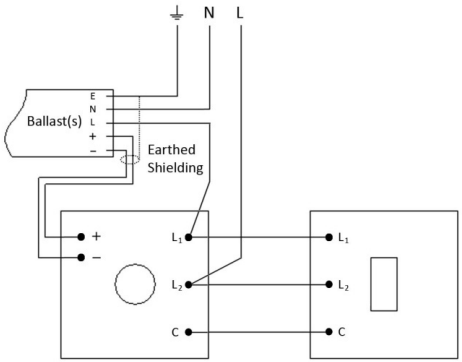
Wiring Instructions

1. Connect the common wire(s) to the **"C" terminal** of the dimmer switch.
2. Connect the remaining two wires to the **"L1" and "L2" terminals** - these can be connected either way round.
3. Connect the signal wires from the ballast(s) to the **signal terminals (+ and –)** on the dimmer switch.

Note: On dimmer switches, the "C" terminal is positioned adjacent to "L1" and "L2". This differs from most standard switches, where "C" is located at the opposite end to "L1" and "L2".



Dimmer must replace only one of the 2-way switches



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