

INSTRUCTIONS FOR VARILIGHT V-DIM DIMMERSWITCHES

OVERVIEW

The **VARILIGHT V-Dim** dimmer operates on 230VAC 50Hz and complies with European Safety Regulations (**BSEN 60669-2-1**) when used in lighting circuits containing MCBs rated at 6A, 10A or 16A.

LOADING

Do not exceed the maximum load per gang stated on the product label.

Suitable for:

- Mains incandescent lighting
- Mains halogen lighting
- Quality dimmable electronic low-voltage transformers including TRIAC dimmable drivers

Not suitable for:

- LED lighting [Choose V-Pro or V-Com]
- Wire-wound or Toroidal Transformers
- Non-dimmable fluorescent bulbs and tubes
- Electric motors

Transformers:

- Match transformer rating closely to lamp load (e.g. 50–70VA for a 50W bulb).
- Calculate the load on the dimmer using transformer VA rating, not bulb wattage.

If the dimmer becomes excessively hot, change the transformer, reduce the lighting load per circuit, or use a higher-rated dimmer. The dimmer may switch itself off until it cools (T Series safety dimmers).

A total short-circuit may cause permanent damage.

Installers – leave these instructions with the customer.

Batch Number: Please record the number printed on the rear plastic moulding for technical support.

Batch number: _____

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 (0)1293) 223333 or varilight.co.uk/help

Guarantee Registration Number: H008

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

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FITTING & WIRING YOUR DIMMER

- Safety First - Switch off power at the mains before starting.
- If in doubt, consult a qualified electrician.

Removing the Old Switch

- Unscrew the old switch plate and note the position of each wire.
- Disconnect the wires, keeping any grouped wires together.

Preparing the Wall Box

Make sure the wall box is free from plaster, debris, or protruding screw heads and remove or flatten any extra fixing lugs if present.

Wiring the New Dimmer

Your dimmer works with 1-way or 2-way circuits if it uses push on/push off for switching. If it uses a rotary action for dimming and switching it is only suitable for 1-Way Dimming. If you have **multiple dimmers in one plate**, treat each set of three terminals as a separate dimmer. If on your old switch terminals were linked between gangs, use a short wire to link the same terminals on the dimmer. Please follow the wiring diagrams below.

1-way: The light is controlled from a single location using one dimmer wired between Live and the load. **2-way:** The light is controlled from two locations (e.g. either end of a hallway or staircase) using a 2-way dimmer paired with a 2-way switch, connected via Common, L1 and L2.

Final Steps

For metal faceplates, connect the earth wire to the marked earthing terminal. Fit the dimmer into the wall box without overtightening. Avoid trapping wires behind the unit. Restore power and test the dimmer.

Important - Disconnect the dimmer before **insulation resistance testing** to avoid damage which will void the guarantee.

Warning: Do not fit metal faceplates to **freshly plastered or damp surfaces** — this may cause **tarnishing**. If unsure, use a temporary **polythene gasket**. Avoid **masking tape** on metal faceplates.

Figure 1

1-Way Wiring

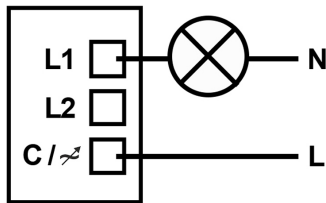


Figure 2

2-Way Wiring

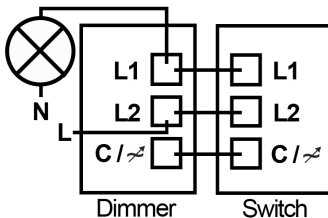
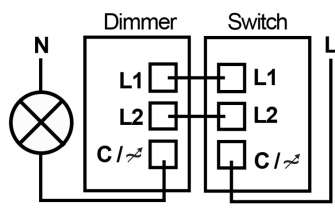


Figure 3

Alternative 2-Way Wiring



Only use one dimmer per circuit