

INSTRUCTIONS FOR VARILIGHT V-PRO DIMMERSWITCHES



OVERVIEW

The **VARILIGHT V-Pro** programmable 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 .

At installation, ensure all lamps **remain visibly on** at the lowest brightness setting to comply with the **UK EcoDesign Regulation 1194/2012**.

LOADING

Do not exceed the maximum wattage per gang, as stated on the product label.

Suitable for:

- Dimmable LED lighting
- Quality dimmable electronic low-voltage 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.*

Not suitable for:

- Non-dimmable LED, fluorescent lamps or tubes
- Wire-wound/toroidal transformers
- Electric motors (e.g. fans)
- TRIAC dimmable drivers (use V-Com dimmers instead)

Overload Protection:

If overloaded, the dimmer will switch itself off until the load is corrected. If an overload occurs, reduce the lighting load, or use a higher-rated dimmer. A total short-circuit may cause permanent damage.

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: JP017

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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.

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

FITTING & WIRING YOUR DIMMER

Before You Start

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

Step 1 — Remove the Old Switch

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

Step 2 — Prepare the Wall Box

Clear the wall box of plaster, debris, and protruding screw heads. Remove or flatten any extra fixing lugs.

Minimum wall box depth:

- 25mm — Classic plates
- 35mm — Ultraflat or Screwless plates

Step 3 — Wire the New Dimmer

The V-Pro uses push on / push off for switching and a rotary action for dimming. Each module has three terminals, C, L1, and L2. It works with both 1-way and 2-way circuits.

1-Way Circuits (*one switch position - see Fig. 1 overleaf*)

- Connect one wire to C.
- Connect the other wire to L1 (either way round).
- L2 is not used.

2-Way Circuits (*two switch positions, e.g. top and bottom of stairs — see Fig. 2 overleaf*)

- Replace only one switch with a dimmer.
- The wire(s) from the common terminal of the old switch go into C.
- The remaining two wires go into L1 and L2 (either way round).

Multi-Gang Plates (*more than one dimmer*)

- Treat each set of three terminals as a separate dimmer.
- If the old switch had terminals linked between gangs, use a short wire to link the same terminals on the dimmer.

Step 4 — Final Steps

1. For metal faceplates, connect the earth wire to the marked earthing terminal.
2. Fit the dimmer into the wall box — do not overtighten.
3. Check no wires are trapped behind the unit.
4. Restore power and test the dimmer.

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

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

Programming & Optimising Your V-Pro Dimmer

Programming Overview

Your V-Pro dimmer is designed to work out of the box. However, you can **fine tune the dimmer to suit your lights** using the instructions written below. You can also scan the QR code for **video instructions** →



Adjusting the Minimum Brightness

If your lights **flicker at low brightness**, increasing the minimum can help. If they are **too bright at the lowest setting**, try reducing the minimum.

1. Turn the **dimmer to a low brightness level**.
2. Toggle the lights **OFF-ON once per second x3 times**.
3. The lights will **“step” up and down** to confirm you are in configuration mode.
4. Turn the knob **fully clockwise** to begin adjustment.
5. Slowly turn down and up until you find your **preferred minimum brightness**.
6. Leave the knob in this position – **after 3 seconds** the setting will save automatically.

Changing the Driving Mode

Some LED lights will occasionally perform better in a different mode:

- **Mode 1** – Default trailing-edge (most LEDs).
 - **Mode 2** – Simulated leading-edge (certain LEDs).
 - **Mode 3** – Alternative trailing-edge (some LEDs).
1. Set knob to **maximum**, switch the lights **OFF-ON once per second 3 times** (6 presses total) to activate configuration mode.
 2. Once in configuration mode, select:
 - Mode 3 - **Turn fully anticlockwise, then fully clockwise** and wait for 2 seconds
 - Mode 2 - **Turn fully anticlockwise** and wait for 2 seconds
 3. Lights will flash to confirm:
 - **Once** = Mode 1
 - **Twice** = Mode 2
 - **Three times** = Mode 3

*Note: If **Mode 2** draws too much current, the dimmer will revert to **Mode 1** automatically.*

Child Lock

Prevents **accidental entry** into programming mode.

1. Set knob to **maximum**, turn **ON-OFF twice**.
2. Set knob to **minimum**, turn **ON-OFF twice**.
3. Set knob to **maximum**, turn **ON-OFF-ON**.
4. Lights will step to confirm lock is enabled. (Repeat to disable.)

Drive Function

If some LEDs **won't turn on at low brightness**, the Drive setting can give them a **short boost at start-up**.

1. Set knob to **minimum**.
2. Turn **ON-OFF once per second**.
3. Set knob to **maximum**, **ON-OFF** again.
4. Set knob to **minimum**, turn lights **ON**.
5. In configuration mode, **increase until lamps switch on**.
6. Leave for **3 seconds** to save. (To disable Drive, **repeat the process** but skip step 5.)

Adjusting the Maximum Brightness

If lights **flicker at high brightness**, lower the maximum. If they aren't bright enough you can **increase the maximum output**.

1. Set the dimmer to **maximum** (fully clockwise).
2. Turn lights **ON-OFF once per second**.
3. Set the knob to **minimum**, then **ON-OFF** again.
4. Return the knob to **maximum** and turn lights **on**.
5. In configuration mode, **turn the knob fully anticlockwise** to begin adjustment.
6. **Slowly turn** until you find your **preferred maximum brightness**.
7. Leave for **3 seconds** to save.

Resetting to Factory Defaults

Restores Mode 1 and the original brightness settings.

1. Set knob to **maximum**, toggle **OFF-ON x3**.
2. Wait at least **3 seconds**, repeat **OFF-ON x3**.
3. Lights will **fade off** – the reset is complete.

Wiring Diagrams

Figure 1

1-Way Wiring

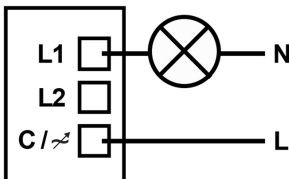


Figure 2

2-Way Wiring

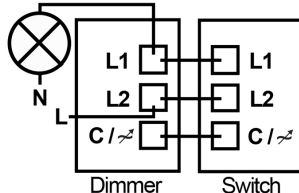
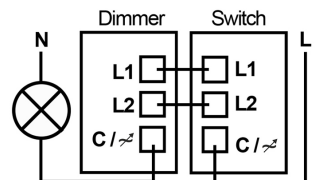


Figure 3

Alternative 2-Way Wiring



Only use one dimmer per circuit