

INSTRUCTIONS FOR VARILIGHT V-PRO MULTIWAY DIMMERS



OVERVIEW

Thank you for choosing a **VARILIGHT V-Pro Multiway** intelligent programmable rotary control dimmer-switch.

INSTALLERS – Please **leave these instructions** with your customer for future reference.

IMPORTANT: Read ALL sections below before installing this dimmer switch.

Use only on an electricity supply of 230V~.

This product complies with British and European Safety Regulations (**IEC 669-2-1** or **BSEN 60669-2-1**) when used in lighting circuits containing MCBs. These can be rated at 6A, 10A or 16A. Your guarantee is not affected if you have an older lighting circuit protected by fuse wire links.

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

LOADING

Always observe the recommended maximum load.

Max. Load Per Gang: **120W**

THIS SWITCH IS SUITABLE FOR

- Dimmable LED Lighting

THIS SWITCH IS NOT SUITABLE FOR:

- Non-dimmable fluorescent bulbs and tubes
- Wire-wound or toroidal transformers
- Electric motors

Always turn off the mains power when light bulbs controlled by the dimmer are replaced. If you change the type of light bulb then perform a factory reset as described overleaf, under "Programming".

TRANSFORMERS:

Use only with quality dimmable electronic transformers. For optimum performance choose VARILIGHT transformers. **To calculate load**, add up the VA ratings of the transformers. If a transformer specifies Triac dimming, use a dimmer from the V-Com series.

Please record the batch number printed on the side of the plastic moulding on the rear of the product. This will assist us in providing any technical support you may require.

BATCH NO: _____

OVERLOAD PROTECTION

This dimmerswitch is protected against overload. If an overload occurs it will automatically turn off until the overload is removed and the dimmer is switched off and then switched back on again at the mains. However, if the dimmer receives a total short-circuit it may be damaged beyond repair.

2-WAY AND 3-WAY CIRCUITS

For circuits where lighting is controlled from two or three locations, use one V-Pro Multiway dimmer with up to two V-Pro Multiway Companion Controllers for rotary dimming at each position.

The total cable length from the dimmer to the furthest Companion Controller must not exceed 50m. Standard or retractive switches are not compatible, only use V-Pro Multiway Companion Controllers.

LIFETIME GUARANTEE

Varilight undertakes to repair or replace, at its discretion, goods which have become defective solely as a result of faulty materials and workmanship, provided that:-

a) **The unit has been correctly fitted according to the instructions** and has not been used with an incompatible load, fluorescent tubes, or overloaded beyond its rating, and has only been used on a 230VAC 50Hz power supply.

b) **The dimmer module has not been tampered with or taken apart.**

c) **The unit is securely packed and safely returned to either address listed below**, with a letter stating the guarantee registration number below, the date and place of purchase, your contact details and return address, the type and wattage of the lighting or other load being controlled and the details of the fault.

This guarantee states our entire liability, which does not extend to cover consequential loss or damage or installation costs arising from a defective product. The guarantee does not apply to problems arising from any incompatibility between your lamps and the dimmer switch. This guarantee does not in any way affect the statutory rights of the purchaser and is offered so that you may have the benefit of our technical facilities. In many cases products don't need replacing.

Guarantee Registration Number: JM010

PROGRAMMING YOUR V-PRO MULTIWAY DIMMER

You can change the settings of this dimmer with the control knob. If you are **unable to get the dimmer to program**, you may need to **disable child lock** first (see below).

Adjust the minimum brightness

1. **Set to minimum brightness** and hold the button for 6 seconds.
2. The lights will then come on and **allow you to adjust the minimum brightness**.
3. Once set, **leave the dimmer for 3 seconds**.
4. The **lights will flash** to show the new level has been set, and the dimmer will return to normal operation.

Adjust the maximum brightness

1. **Set to maximum** and hold the button for 6 seconds.
2. When the lights blink, use the rotary control to **adjust the maximum brightness**.
3. Once set, **leave the dimmer for 3 seconds**.
4. The **lights will flash** to show the new level has been set, and the dimmer will return to normal operation.

Changing the driving mode

1. **Turn the dimmer off**.
2. Press and **hold the button down for 6 seconds**.
3. The lights will **pulse and go off**.
4. Press the dimmer **once for mode 1, twice for mode 2, or three times for mode 3**. (The default mode for this dimmer is mode 1.)

Setting the Boost level

*Some LED lights require a large amount of power to come on and so do not illuminate at low brightness levels. The Boost function caters for LED lights that require more power at start-up by **raising the startup brightness level**, then putting the brightness back to the specified level.*

1. **To set the boost level**, turn the dimmer **off**.
2. Press and **hold the button down for 12 seconds**, ignoring the lights blinking at 6 seconds.
3. The lights will then come on and **allow you to set the boost level**.

Toggle the child lock function

1. **Set to minimum** and hold the button down for 12 seconds, ignoring the lights blinking at 6 seconds.
2. **If enabled**, the lights will come on for **2 seconds and go off**. **If disabled** the lights will **flash twice and go off**.

Factory reset

1. **Set to maximum** and hold the button down for 12 seconds, ignoring the lights blinking at 6 seconds.
2. After 12 seconds, the light will **come on and fade to off**.

FITTING YOUR DIMMER

Read these instructions carefully. Incorrect installation may damage the dimmer. Consult a qualified electrician if in doubt.

1. **Isolate the mains power**. Remove the existing switch and note how the wires are connected. Keep any grouped wires together when reconnecting.
 2. **Prepare the wall box**. Ensure it is free from plaster or protruding screws.
Use wall boxes with 60.3mm fixing centres for single plates, or 120.6mm for double plates.
Minimum box depth: 25mm for Classic, 35mm for Screwless or Ultraflat faceplates.
 3. **Connect the wiring** for 1-way, 2-way, or 3-way circuits, following the wiring diagrams below. Ensure no bare wires are exposed.
 4. **Earth the faceplate** if it is metal, using the terminal provided.
 5. **Secure the dimmer**. Screw it in without overtightening. Do not trap wiring behind the module.
 6. **Restore power** and test the dimmer.
- Important:** Disconnect the dimmer before insulation resistance testing. Failure to do so may cause damage and invalidate the guarantee.

Wiring Diagrams

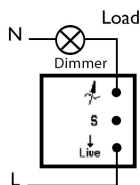


Fig 1. Wiring for 1-Way Circuits

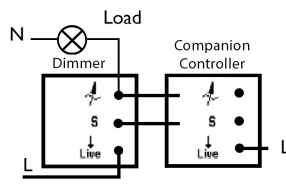


Fig 3. Alternative Wiring for 2 or 3-Way circuits

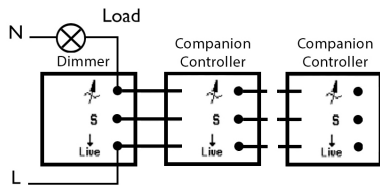
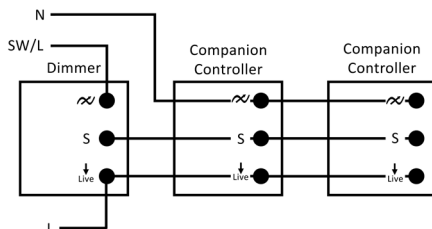


Fig 2. Wiring for 2 or 3-Way Circuits

Wiring for companion controllers when a neutral wire is present



WARNING - Please **do not** connect neutral to the main dimmer unit