

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 BSEN60669-2-1) when used in lighting circuits containing MCBs (miniature circuit breakers). These can be rated at 6A, 10A or 16A (preferably 6A for lighting circuits). Your guarantee is not affected if you have an older lighting circuit protected by fuse wire links.

LOADING

Always observe the recommended maximum load. Max. Load Per Gang: 120W of dimmable mains or low voltage LEDs

THIS SWITCH IS SUITABLE FOR

- Most dimmable LEDs

THIS SWITCH IS NOT SUITABLE FOR:

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

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.

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: _____

TRANSFORMERS

Use only with quality dimmable electronic transformers. For optimum performance choose VARILIGHT transformers.

To calculate load, add the VA ratings of the transformers (not the wattage of the bulbs). Choose transformers with a maximum rating close to their lamp load (eg. Use a 50VA, 60VA or 70VA transformer to control a 50W low voltage bulb). If a transformer specifies Triac dimming, use a dimmer from the V-Com series.

ADVICE ON CHANGING LIGHT BULBS

Always turn off the mains power when light bulbs controlled by your V-Pro Multiway dimmers are replaced. If you change the type of light bulb then perform a factory reset as described under “Programming”.

FREQUENTLY ASKED QUESTIONS

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

GUARANTEE

In case of any defect, return the dimmer to our service department. 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 200-250V a.c. 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 in the overview section above, together 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 Varilight's 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 do not need replacing, so for further information and help with troubleshooting, see our FAQ page at www.varilight.co.uk/faqs, or contact our Customer Services by calling +44 (0)1293 223333 or create a support ticket at www.varilight.co.uk/help.

GUARANTEE REGISTRATION NUMBER JM008.

PROGRAMMING YOUR V-PRO MULTIWAY DIMMER

You can change the settings of this dimmer with the control knob. The instructions are below. If cannot get the dimmer to program, you may need to reverse the child lock first (see below).

Adjust the minimum brightness

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

Adjust the maximum brightness

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

Changing the driving mode

Turn the dimmer off. Press and hold the button down for 6 seconds. The lights will pulse and go off. 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 start-up brightness level, then putting the brightness back to the specified level.

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

Toggle the child lock function

Set to minimum and hold the button down for 12 seconds. Ignore the lights blinking at 6 seconds. 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

Set to maximum and hold the button down for 12 seconds. Ignore the lights blinking at 6 seconds then, after 12 seconds, the light will come on and fade to off.

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.

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 over-tightening. 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

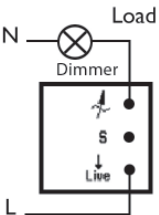


Fig 1. Wiring for 1-Way Circuits

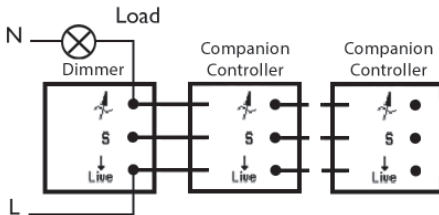


Fig 2. Wiring for 2 or 3-Way Circuits

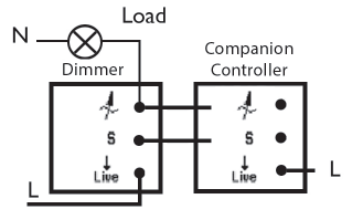


Fig 3. Alternative Wiring for 2 or 3-Way circuits