

# Instructions for VARILIGHT Fan Regulator/Dimmerswitch

## OVERVIEW

Thank you for choosing VARILIGHT. This regulator is designed to control mains voltage lighting and fans. Use only on an electricity supply of 230 volts AC. Use only in 1-way circuits.

**Do not use this regulator to control low voltage lighting transformers, fluorescent bulbs or energy saving bulbs.** The regulator will eventually burn out if used for these applications. Incorrect use will make your guarantee invalid. Special VARILIGHT dimmerswitches are available for low voltage lighting.

*Please note that if there are lights in the same circuit as your fan(s) (whether they are part of the fan or separate) when the fan speed is adjusted the light level may change as well.*

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## LOADING

Make sure that you load the regulator correctly. Check the label on the back of your regulator before wiring it up. The label tells you the maximum load for the regulator and also the minimum load. Regulators must not be overloaded or underloaded. If the regulator makes the fan(s) turn erratically you may have a fan that cannot be controlled with this type of controller.

To calculate the load, add the rating of the fan(s) you wish to control to the ratings of any mains lighting in the same circuit. For example, for a 100W fan and 3 x 50W GU10 lamps the total load = 100W + 3 x 50W = 250W.

*If your fan has an integral multi-position switch to control its speed, you must set the speed to the fastest setting before attempting to use this regulator.*

## FITTING THE REGULATOR

Read the instructions below carefully. Incorrect installation may damage the regulator beyond repair. **In case of any doubt or difficulty consult a qualified electrician.**

1. Switch off at the mains, then remove the existing switch and disconnect the wiring from the switch terminals at the rear, taking note of the present wiring of the switch and the marking on the terminals. Where there are two or more wires together in the old switch, they must be kept together in the regulator.
2. Most models can be fitted into a box with a minimum depth of 16mm, i.e. a normal plaster depth flush box or a normal surface mounted switch box. A box having 4 fixing lugs cannot be used without modifying it. The top and bottom lugs must be broken off or bent flat.
3. This product can only be used in 1-way circuits. To connect the wiring for 1-way circuits refer to the diagrams under the heading "1-Way Circuit". Take care that no bare wires project out of the terminals. Keep wires together in a terminal if they were together in your old switch.
4. Regulators having a metal front plate must be earthed by means of the earthing point provided.
5. After connecting the wires screw the regulator gently into the wall box so that the front plate is not distorted or cracked. Do not trap the wiring between the rear of the regulator and the back of the wall box.
6. Once installation is complete. Switch on the mains supply and switch on the regulator, turning the control knob to give the desired speed for the fan (or level for lights).

A slight buzzing may be heard from the regulator in operation. This is quite normal.

www.varilight.co.uk

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.

**H\_10**

Reg. FAN003

BATCH NO:

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

**WARNING:** Do not apply products with metal faceplates directly to freshly plastered or damp surfaces as product may tarnish. If in doubt, use polythene as a temporary gasket to protect the product. Do not use masking tape on metal faceplates.

## 1-WAY CIRCUITS

*This regulator can only be used in 1-Way Circuits.*

In 1-way circuits the fan(s) (and light(s)) are controlled by one switch. Your regulator replaces this switch.

Remove your old switch and copy the wiring configuration for the regulator. The wires from your old switch can be connected either way round to the "C" and "L1" terminals of the regulator.

Reconnect the wires either way round to the "C" terminal and the "L1" terminal.

If your circuit is different from that shown or you are in any doubt, consult a qualified electrician.

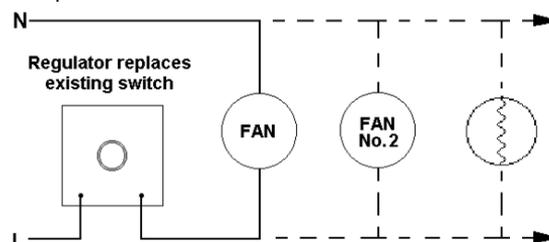


Figure 1  
Using the 1-way Regulator

## FREQUENTLY ASKED QUESTIONS

For FAQs, please visit: [www.varilight.co.uk/faqs](http://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 within 10 years of purchase, 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. However, for your convenience, it is perfectly in order to remove a faulty dimmer module from multi-gang dimmers by pulling off the knob and unscrewing the nut under the knob. You will then still have the remaining modules working whilst we service your faulty module.
- 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 don't need replacing, so for further information and help with troubleshooting, see our FAQ page at [www.varilight.co.uk/faqs](http://www.varilight.co.uk/faqs), or contact our Customer Services by calling +44 (01293) 223333 or create a support ticket at [www.varilight.co.uk/help](http://www.varilight.co.uk/help).

**GUARANTEE REGISTRATION NUMBER: FAN003**

