

## Nursery Intelligent Touch Safety Dimmers

## 1 Way

Thank you for choosing VARILIGHT. This dimmer is suitable for 1-Way Circuits only. Use only on an electricity supply of 200 to 250 volts a.c.. This dimmer features versatile trailing-edge control making it suitable for a wider range of applications.

### THIS SWITCH IS SUITABLE FOR

- ✓ Mains voltage GLS bulbs;
- ✓ Most dimmable electronic low voltage transformers (including those requiring trailing-edge control) [see "Transformers" box on the right];
- ✓ GU10 or similar HiSpot mains halogen bulbs
- ✓ Candle bulbs

Never exceed the recommended maximum load [see "Safety Features" box below]

### THIS SWITCH IS NOT SUITABLE FOR

- ✗ Fluorescent lights or compact fluorescent bulbs;
- ✗ Wire-wound or toroidal transformers;
- ✗ Electric motors or fans

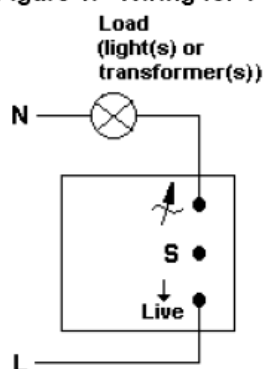
### FITTING THE SWITCH

Read the instructions below carefully before beginning. **In case of any doubt or difficulty consult a qualified electrician.**

1. Switch off at the mains.
2. 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 dimmer.
3. Ensure that any wall box is free of plaster lumps or projecting screw heads. Use a box with a minimum depth of 25mm. A box having 4 fixing lugs cannot be used without modifying it. The top and bottom lugs must be broken off or bent flat.
4. To connect the wiring, refer to the diagram below. Dimmers with a metal front plate **must be earthed** by means of the earthing point on the dimmer. You must ensure that all wires are sleeved fully and only enough bare wire is showing to connect to the terminals. Push wires deep into terminals and tighten terminal screws so that wires are held securely. No bare wires should protrude from the terminals.
5. After connecting the wires, screw the dimmer gently into the wall box. Do not trap the wiring between the rear of the dimmer and the back of the wall box.
6. Turn on the mains electricity.

Your VARILIGHT Nursery Touch Dimmer is suitable for 1-way circuits. It **cannot** be used conjunction with another switch in a 2-way circuit. In 1-way lighting circuits each light is controlled by one switch. This dimmer replaces that switch. The live wire **must** be connected to the terminal marked "Live" and the "load" wire to the terminal marked "L". This means that the terminal marked "N" is connected directly to the light(s) (or transformers for low voltage lighting).

Figure 1. Wiring for 1-way circuits



### TRANSFORMERS

Use only on dimmable Electronic Transformers

To calculate load, add the VA ratings of the transformers (not the wattage of the bulbs). There is an absolute maximum of 5 transformers on any dimmer circuit (except with VARILIGHT LV Transformers when you can add the bulb wattages up to the dimmer "max. load" and use up to 10 transformers). Choose transformers with a maximum rating close to their lamp load (eg. Use a 60VA transformer to control a 50W low voltage bulb); **except with VARILIGHT LV Transformers when any lamp loading will work.**

N.B. Certain transformers may not behave according to their power rating when used with a dimmer. An overload will result in the safety features of this dimmer turning down the brightness. If so change your transformers to ones which do not appear as an overload, remove one (or some) transformer(s) from the circuit or choose a higher rated dimmer instead. (This does not apply to VARILIGHT transformers.)

### SAFETY FEATURES:

This dimmer will protect itself against overload, short-circuit, over-temperature and over-voltage. To avoid these safety features turning the dimmer down or off, make sure you load the dimmer correctly by carefully reading the advise in this leaflet.

If a gross overload or short-circuit occurs the dimmer will **automatically turn off** until the overload or short-circuit is removed and the dimmer is switched on again.

Even if the dimmer is slightly overloaded it will react by turning down the brightness progressively. If it can find a comfortable operating level it will stay on with the light(s) at reduced brightness, otherwise it will switch off.

This dimmer should be not be used on wire-wound transformers. If it is mistakenly connected to a wire-wound transformer the dimmer will warn the user by coming on at a low brightness for 2 seconds before switching off completely. N.B. To prevent damage to itself, the dimmer will only perform this warning 3 times. After this it will block further use until it is disconnected from and then re-connected to the mains electricity supply.

### GUARANTEE

Important: In case of any defect return the dimmer to our service department. This guarantee is in addition to and not in derogation of the statutory rights of the purchaser and is offered so that you may have the benefit of our technical facilities. Should any defect occur in this unit within 12 months of its purchase we will replace or repair the defective unit free of charge provided that:-

- a) The unit has been correctly fitted according to the instructions and has not been used with fluorescent bulbs, compact fluorescent bulbs, wire-wound transformers or electric motors, or overloaded beyond its rating, and has only been used on 200-250V AC.
- b) The dimmer module has not been tampered with or taken apart.
- c) The unit is securely packed and safely returned to: **Service Department, CarylIs Lea, Faygate, Horsham, West Sussex, RH12 4SJ** (Tel. (01293) 851584) together with a letter stating the guarantee registration number below, the date and place of purchase, the type and wattage of the lighting or other load being controlled and the details of the fault. **GUARANTEE REGISTRATION NUMBER 711.**