

Vimark	V1414 & V1415	Dimmer Switch 1g and 2g
Vimark Curve	VC1414 & VC1415	Dimmer Switch 1g and 2g
Slimline	S1414 & S1415	Dimmer Switch 1g and 2g
Slimline Décor	S1416 & S1418	Dimmer Switch 3g and 4g
Slimline Screwless	SD1414 & SD1415	Dimmer Switch 1g and 2g
Ultra Flatplate	8629 & 8630	Dimmer Switch 1g and 2g
Ultra Screwless	8129 & 8130	Dimmer Switch 1g and 2g
Grid Dimmer	8529 & 8530	Dimmer Switch 1g and 2g
	G3526	Grid

Dimmer Features	Batch Number
- This Dimmer Switch is suitable for Dimmable LED Lamps and Incandescent Lamps - Ideal for controlling DETA range of Fire Rated Dimmable LED Downlights - This dimmer automatically changes mode, to either Leading Edge (LE) or Trailing Edge (TE), to suit load - Control other load types, e.g. tungsten halogen, incandescent, low voltage electronic transformers - LED back light to indicate the dimming mode i.e. Leading or Trailing edge - Soft Start to increase lamp life, particularly for MV and LV lamps - Overload protection will automatically turn off the lamp until the overload is removed, dimmer cools down and then resets itself - Push on / Push off control for ease of operation - Suitable for 1-way and Multiway switching and dimming	Please record the batch number printed on the side of the module on the back of the product. The batch number is in the form ##Y## A#. BATCH N°: Y A This will assist us in providing any technical support you may require.

Safety Instructions	Installation Instructions
Read these instructions carefully. Incorrect installation may damage the dimmer beyond repair. - This dimmer switch must be installed in accordance with the current edition of the IET Wiring Regulations - Do not overload the dimmer - this may damage dimmer beyond repair. - If the dimmer is to be used to control tungsten halogen lamps, de-rate the dimmer to 75% of the maximum load. - If using in Leading Edge mode, de-rate the dimmer to 75W max. due to some lamps having a high inrush current. - Use only on an electricity supply of 220-240 volts AC - When controlling the load from two or more positions (20 max), it is only possible to have one dimmer switch. Other control positions can be a push to make switch. - A single push to make switch can control up to 20 dimmers. - Two or more dimmers MUST NOT be connected in parallel or series to control the same load from two different locations. - Ensure that the mounting box is at least 25mm deep. - Metal mounting boxes must be earthed. If in doubt, contact a qualified electrician.	- Switch off the mains supply before commencing the installation. - If removing the existing switch, disconnect the wiring from the switch terminals at the rear and take note of the present wiring of the switch and the marking on the terminals. - Ensure that any mounting box is free of plaster lumps or projecting screw heads. 1g dimmers can fit into a 25mm back box; 2g dimmer switches need a 35mm back box to allow for heat dissipation. - These dimmer switches can be installed in boxes with two mounting lugs only. Other mounting lugs need to be removed or bent flat. - Terminate the dimmer switch in accordance with the diagrams in the Wiring Instructions section. 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. - Dimmer switches having a metal front plate must be earthed by means of the earthing point on the dimmer. - After connecting the wires screw the dimmer switch gently into the wall box so that the front plate does not distort or crack. Do not trap the wiring between the rear of the dimmer and the back of the wall box.

Wiring Instructions – Typical Lighting Circuits

This dimmer switch is suitable for 1-way or multiway lighting circuits. There are three terminals per module.

1-way Circuits

In 1-way lighting circuits each load is controlled by one dimmer switch. Follow the wiring in Figure 1.

L live supply,  load

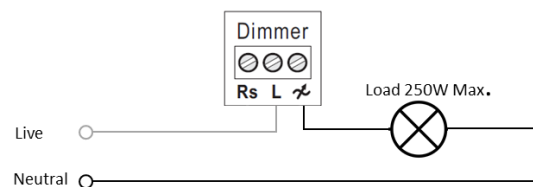


Figure 1

Multiway Circuits

Multiway lighting circuits have two or more switches to dim and turn on/off the same lamps from two or more locations (e.g. at the top and bottom of the stairs), however only **one** of these can be a dimmer switch, the other locations can be a push to make switch, up to a maximum of 20. Follow the wiring in Figure 2.

L live supply, load,  Rs switch live

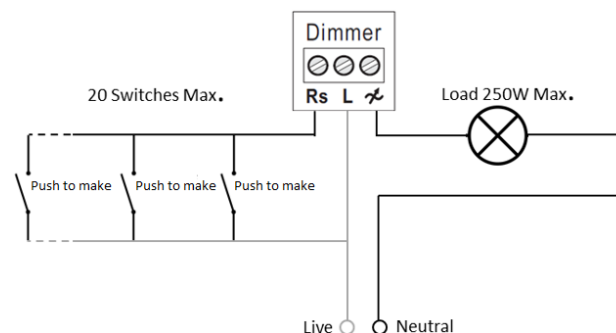


Figure 2

IMPORTANT:

Read "Loading Advice" section overleaf before installing this dimmer.

Dimmer Operation

- For switching on and off, push on/push off the dimmer control
- Turn the dimmer knob to adjust the brightness:
 - The dimmer LED will flash RED at maximum brightness
 - The dimmer LED will Flash Green at minimum brightness

Operation from switch when 2-way or Multiway switching

- Operating the push to make switch will switch light on or off
- For dimming, press and hold switch for cycle dimming

Optimising the Performance of Your Dimmer Switch

This dimmer switch is preset for optimum control of Deta LED Dimmable Fire Rated Downlights.

Most dimmable lamps have an optimum performance mode – Leading Edge or Trailing Edge. It is possible to change the dimming mode; this will prevent the lights from flickering. See “*Changing the Dimmer Mode*” below.

Additionally, the minimum brightness setting of the dimmer can be adjusted to achieve the optimum dimming range for a particular load. See “*Compatibility and Loading Advice*” below. Also see “*Adjusting the Minimum Brightness*” below.

You may need to refer to these instructions if you change your lights to a different type at a later date so please keep them for reference.

Changing the Dimmer Mode

This dimmer automatically changes its mode of operation, leading (LE) or trailing edge (TE), to suit the load, particularly when controlling LED lamps.

The dimmer switch is factory set to Training Edge (TE) mode. If the load, especially LED lamps, do not dim smoothly it is possible to change the dimmer mode manually.

To enter TE (factory default mode) or LE mode:

- 1 With Power Supply ON, push the knob to turn the lamp OFF.
- 2 Push and hold the knob for 3-5 seconds, the LED indicator will start to flash indicating that the dimmer has entered settings mode.
- 3 Turn the dimmer in either clockwise or anti-clockwise, until the LED indicator colour changes to the desired dimmer mode as below:
 - Green (or Green+Red) TE Mode
 - RED LE Mode
- 4 Push and release the dimmer knob to save the settings.

The dimmer will remain in the preferred set mode even when the power supply is switched off at the circuit breaker.

Note: Steps 1-4 need to be performed within 15 seconds or it will cause the unit to revert back to previous settings.

Adjusting the Minimum Brightness

The minimum brightness level can be adjusted to achieve the optimum dimming range for a particular load.

Adjusting the Minimum Brightness

- 1 With Power Supply ON, push the knob to turn the lamp ON.
- 2 Push and hold the knob for 3-5 seconds, the lamp brightness will reduce approximately to half its maximum level, indicating that the dimmer has entered minimum brightness settings mode.
- 3 Turn the dimmer knob to set desired minimum brightness level
- 4 Push and release the dimmer knob and it will return to maximum brightness, confirming the settings are saved.

Dimmable LED Lamps

The recommended minimum load per gang is 3W. Always choose LEDs that are “dimmable” and for the best performance choose dimmable LEDs from established brands. We cannot guarantee that all LEDs labelled as “dimmable” can actually be dimmed satisfactorily.

Maximum and minimum loads, and the maximum number of lamps, will vary according to make and type of LED lamp.

The dimming performance of dimmable LEDs may be improved by following the steps outlined above under the heading “*Changing the Dimmer Mode*”.

Compatibility and Loading Advice

Always use the same brand and wattage of LED lamp on each circuit.

This Dimmer Switch is suitable for:

- Most dimmable LEDs [see “*Dimmable LED Lamps*” box]
- Mains voltage incandescent, GLS or candle-shaped bulbs
- GU10 or similar good quality mains halogen bulbs
- Wire-wound or toroidal transformers (dimmer must be in trailing edge mode)

This Dimmer Switch is not suitable for:

- Fluorescent bulbs and tubes
- Electric motors
- Non dimmable LEDs

Specification

Load Type:	Power Rating per Module:	Voltage	220 – 240V ac 50Hz
• LED	3-250W (see above)	Compliance	BS EN 60669-2-1
• Mains Tungsten Halogen	10-350W	Back Box (recommended)	25mm for 1g dimmers
• Incandescent and ECO Halogen	10-350W		35mm for 2g, 3g and 4g dimmers
• LV Transformers	10-350W		