

## Installation Notes

Only one dimmer is allowed in a two-way circuit.

If the installation uses a four lug metal mounting box, remove the top and bottom lugs or bend fully back.

For white moulded products, if the dimmer knob blocks the screw fixing holes, remove knobs, fix to wall and then reattach knobs.



# Wiring Accessories

## Grid Dimmer Switch

### Switchable – Leading/Trailing Edge

## Features

**Overload Protection** – This dimmer is fitted with an overload current and over-temperature protection. In the event of an overload or temperature condition the dimmer will stop working until the overload is corrected, or the dimmer has cooled. Please check the total load ratings before installing.

**Soft Start** – To prolong the life of the connected lighting this dimmer features a soft start function. Upon switching on, lighting will increase from 0 to 100% in 1.2 seconds.

## Safety Warning

For your safety, this product must be installed in accordance with local Building Regulations. **If in any doubt, or where required by the law, consult a competent person who is registered with an electrical self-certification scheme.** Further information is available online or from your Local Authority.

Please read carefully and use in accordance with these safety wiring instructions. Before commencing any electrical work ensure the supply is switched off at the mains. Either by switching off the consumer unit or by removing the appropriate fuse or turning off MCB (trip). Wiring should be in accordance with the latest edition of the IET regulations (BS 7671). To prevent fire hazard always use cable of the correct rating & type for the application.

**Warning do not exceed the load rating of this device as stated on the rear of the product.**

### Wire Identification – Twin & Earth Cable

Note – As from 1st April 2004 new colour codes for hard wire installations were introduced.

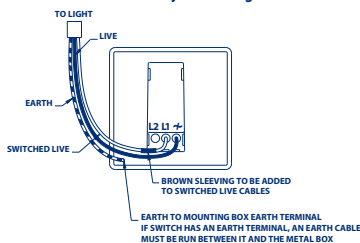
**EARTH** = Green/Yellow Sleaving

**NEUTRAL** = Black (pre Apr 04) / Blue (after Apr 04)

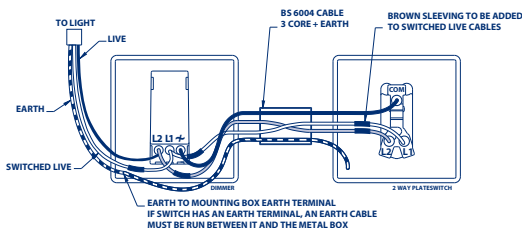
**LIVE** = Red (pre Apr 04) / Brown (after Apr 04)



### One Way Switching



### Two Way Switching



## Minimum Dimming Level Setting

This dimmer allows the user to set the minimum level of light at the lowest point of the knob control.

Switch on the power and turn the dimmer knob to the MINIMUM position (anti-clockwise).

Push the knob 8 times continuously.

The connected lighting will increase and decrease in brightness twice to indicate that the dimmer is in 'configuration mode', it will then maintain a low illumination level or turn off.

To adjust the minimum dimming level (factory default min brightness is 10% of the rated power)

Slowly adjust the brightness (clockwise) to the desired light level.

Push the knob for 4 times continuously.

The lighting will increase and decrease the brightness once to confirm the adjustment is complete.

## Leading/Trailing Edge Mode Level Setting

This dimmer has the ability to change from Trailing to Leading edge dimming (Default trailing). As technology has advanced to become more efficient and environmentally friendly, dimming has become more complicated. Trailing edge dimming is generally the suitable mode, especially for LED. If the connected lighting has compatibility issues it will result in flickering or poor dimming performance.

To change the dimming mode type,

- Turn on the dimmer, and adjust to its maximum setting (clockwise).
- Press the knob on/off 10 times, the connected light will flash once to indicate the dimmer is in trailing edge mode, or twice for leading edge.
- Repeat the operation to change the mode

Note – Not all LED lamps are dimmable – check the packaging/product specification.

## Load Information

Lamp Type	Trailing (RC)	Leading (RL)
Incandescent	5-150W	5-100W
Halogen (Eco + Std)	5-150W	5-100W
Dimmable LED	5-150W	5-100W

### Incandescent and ECO Halogen Lamps

Plate size	No. of Dimmers	Max. each Dimmer	Max. total per plate
Square plates	1	150W	150W
86mm x 86mm	2	150W	300W
Rectangular plates	3	150W	450W
146mm x 86mm	4	150W	600W

LED Lamps

Plate size	No. of Dimmers	Load per Dimmer	Max. total per Dimmer	Max. per plate	Max. total per plate
Square plates	1	5-150W	≤10	100W	≤10
86mm x 86mm	2	5-150W	≤10	200W	≤20
Rectangular plates	3	5-150W	≤10	300W	≤30
146mm x 86mm	4	5-150W	≤10	400W	≤40

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**+44 (0)3300 249 279**  
**[technical.support@bgelectrical.co.uk](mailto:technical.support@bgelectrical.co.uk)**

Technical

Voltage : 220-240V ac  
Frequency : 50/60Hz  
Dimmer Type: Switchable, Leading & Trailing Edge  
Rating : See charts  
Terminal capacity : 2 x 1mm<sup>2</sup> 2 x 1.5mm<sup>2</sup>  
Min box depth (profiled plates) : 1 & 2 gang switches 25mm 3, & 4 gang switches 35mm  
Min box depth (flat plates) : 35mm

Batch Code Explanation

yyWxx Manufacturing date code, year of manufacture (yy) and week of manufacture (Wxx)

Environmental Protection



This symbol is known as the “Crossed-out Wheelie Bin Symbol”. When this symbol is marked on a product or battery, it means that it should not be disposed of with your general household waste. Some chemicals contained within electrical/ electronic products or batteries can be harmful to health and the environment. Only dispose of electrical/electronic/ battery items in separate collection schemes, which cater for the recovery and recycling of materials contained within. Your co-operation is vital to ensure the success of these schemes and for the protection of the environment.