



Wiring Accessories

GridLite Touch Dimmer Switch Module

Wiring Instructions

1. Power off

Before commencing work always isolate the power at the consumer unit/fuse box.
*Note – If your installation uses a four-lug metal mounting box, remove the top and bottom lugs or bend fully back.

2a. Replacing an existing accessory

- Unscrew the accessory from the wall/mounting box.
- Note the cable connections:
The illustration shows 1 wire of each colour connected to each terminal.
There should be an additional connection between the mounting box earth terminal and the accessory earth terminal.
- Unscrew each terminal to release the wire.

2b. New installation

- Install mounting box (metal or moulded) for either flush or surface mounting, ensuring appropriate size of product (mounting box to be purchased separately).
- Select the most suitable entry point of the mounting box (knock-out) and route the cables through. If a metal box is used, a cable grommet should be fitted to the entry point.
- Cables should be prepared so a sufficient conductor length reaches the terminals. Strip the ends of the individual conductors leaving an adequate length bare to enter terminals.

3. Connection (see diagram)

- Line up the new accessory to mounting box and take note of where each terminal is located.
- Connect each wire to the matching terminal.
An earth connection should always be made between the mounting box earth terminal and the accessory earth terminal, where fitted.

All bare earth wires must be sheathed with green/yellow sleeving. When connecting the new accessory ensure that only the bare end of the wire enters the terminal and no bare wires are visible.
3. Tighten terminal screws securely. [Do not over tighten]

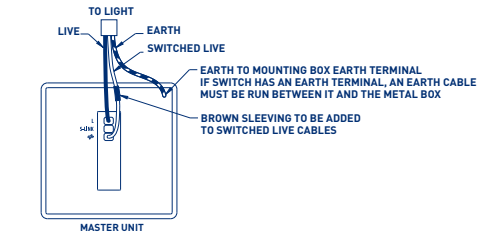
4. Complete installation & test

- Carefully position the accessory into the mounting box, ensuring that no wires are trapped between the plate and the wall and secure with screws [do not over tighten] then insert screw covers [optional].
- Once the installation has been completed correctly, replace the fuse/reset MCB (trip), switch the power back on at the consumer unit and test.

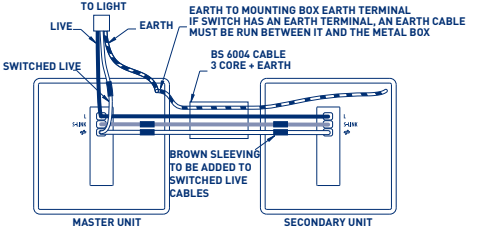
Installation Note

This product can only be an **one way switching** circuit where one switch controls a light (or circuit) i.e. on or off. The touch dimmer (master) switch should replace that switch.
For **two way switching**, where a light (or circuit) is controlled by two switches, the Master touch dimmer must be used with a secondary touch dimmer.
A Master touch dimmer cannot be used in combination with a traditional light switch or any other dimmer switch. Please refer to the wiring diagrams for guidance.
If the installation uses a four lug metal mounting box, remove the top and bottom lugs or bend fully back.

One Way Switching



Two Way Switching



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 Sleeving
NEUTRAL = Black (pre Apr 04) / Blue (after Apr 04)
LIVE = Red (pre Apr 04) / Brown (after Apr 04)



User Instructions

The Master and secondary touch dimmers work in the same manner, and comprise of two touch areas for lighting control.
The upper region of the dimmer switch referred to as [Up] in the following instructions and the lower region referred to as [Down].
The following functions can be performed using these areas of the touch dimmer.
A short press on either the [Up] or [Down] regions of the switch will toggle the lights off or on to previous brightness setting.
Press and hold [Up] or [Down] will adjust the brightness up or down.
When the brightness reaches the level you require, remove contact with the switch.
Double press [Up] to go straight to maximum brightness.
Double press [Down] to directly to the minimum brightness.
Starting with lights off, press and hold [Up] to begin illuminating the lights from the minimum brightness level.
Starting with lights off, press and hold [Down] to recall the previous brightness setting and begin dimming the lights.

Features

Overload Protection – This dimmer is fitted with an overload current and overtemperature 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.

Minimum Dimming Level Setting – This dimmer allows the user to set the minimum level of light at the lowest point of the knob control.
Turn on the dimmer and press the dimmer to the MINIMUM position. [Double press [Down]]
Press the UP key continuously for 8 times.
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)
Press and hold the UP key to adjust the desired brightness.
Push the UP key 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 [double press [UP]]. Press the UP key 10 times, the connected light will flash once to indicate the dimmer is in trailing edge mode or flash twice for leading edge mode.
Note – Not all LED lamps are dimmable – check the packaging/product specification.

Load Information

Lamp Type	Trailing	Leading
Incandescent	5-100W	5-50W
Halogen (Eco + Std)		
Dimmable LED		

Incandescent and ECO Halogen Lamps

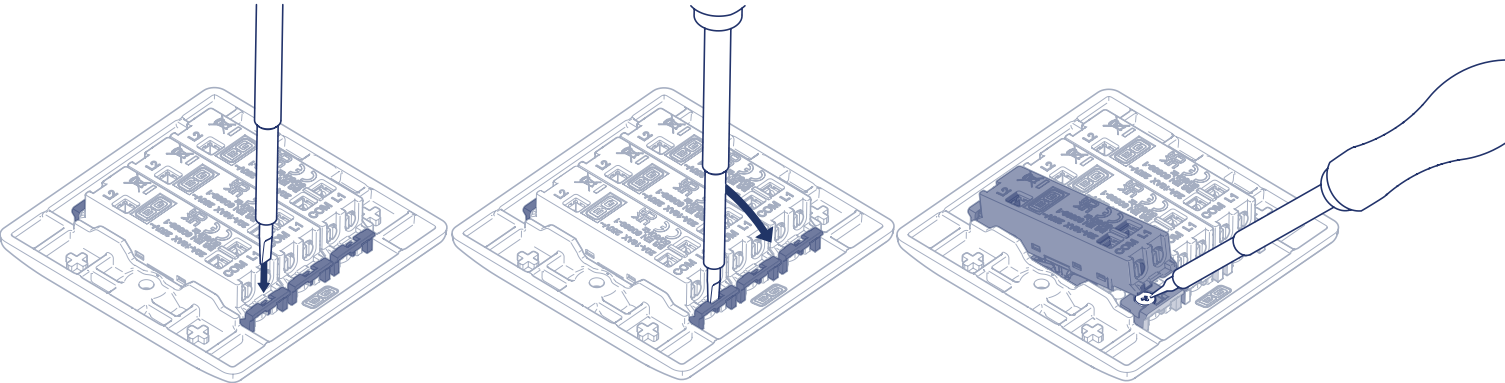
Plate size	No. of Dimmers	Max. each Dimmer	Max. total per plate
Square plates 86mm x 86mm	1	100W	100W
	2	100W	200W
	3	100W	300W
Rectangular plates 146mm x 86mm	4	100W	400W
	6	100W	600W

LED Lamps

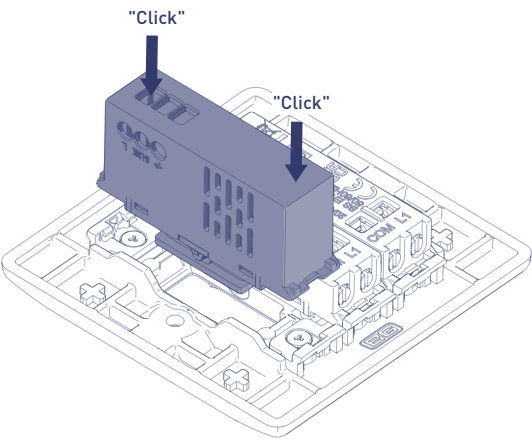
Plate size	No. of Dimmers	Load per Dimmer	Max. total per Dimmer	Max. per plate	Max. total per plate
Square plates 86mm x 86mm	1	5-100W	10	100W	10
	2	5-100W	10	200W	20
	3	5-100W	10	300W	30
Rectangular plates 146mm x 86mm	4	5-100W	10	400W	40
	6	5-100W	10	600W	60

Module Removal & Replacement

- To remove a module from the front plate, use a slotted screwdriver to lever the module out of the plate.



- To fit module into plate, push into place, ensuring it is securely held in place by the clips at the top and bottom of the module.



All GridLite modules can be fitted in either orientation.

Technical

Voltage : 220-240V AC
Frequency : 50/60Hz
Dimmer Type: Leading/Trailing Edge (default)
Rating : See charts
Terminal capacity : 2 x 1mm² 2 x 1.5mm²
Min box depth : 35mm

Care

To maintain the high quality appearance of decorative finish switches and sockets, BG Electrical recommend the use of a soft cloth periodically to clean the front face. When installing a decorative product please ensure that the wall is decorated, finished and free of moisture prior to installation.
BG Electrical recommends avoiding using, but not restricted to, these substances from becoming in contact with the decorative metal front-plates when cleaning or decorating:

- Adhesive tape, including low tack masking tape
- Solvents
- White spirit
- Multi surface cleaners
- Industrial multipurpose cleaning wipes
- Wet wipes

Using items like those listed above may cause a degrading effect to the front-plates lacquer/plated finish, although the function will remain unaffected.

Batch Code Explanation

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

Address/Helpline

Luceco PLC
Stafford Park 1 Telford TF3 3BD
ENGLAND

[EU] Luceco SE
C/ Bobinadora 1-5 08302 Mataró
SPAIN

If you have further technical assistance you can get in touch with our **Technical Helpline on:**
+44 (0)3300 249 279
technical.support@bgelectrical.co.uk

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 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.