



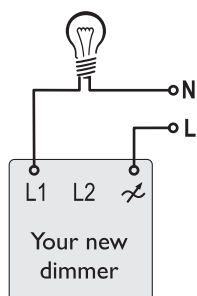
# LED Dimmer Switch

**WARNING** Never take risks with electrical safety. Always disconnect the mains power before beginning any electrical work and test that it is isolated - it is NOT enough just to turn off the light switch. Electrical products must be installed in accordance with IET regulations (BS 7671). If you are in any doubt, always consult a qualified electrician or an experienced person registered with an electrical Competent Person Scheme. Further information is available online or from your Local Authority. If the lighting circuit is not protected by a Residual Current Device (RCD) then the installation should be carried out and tested by a qualified electrician. If necessary, use a suitable stepladder, but first read the useful advice given by the Health and Safety Executive. Visit [www.hse.gov.uk](http://www.hse.gov.uk) and search for 'using stepladders'.

## Your LED dimmer switch

Your dimmer switch is suitable for controlling LED (Light Emitting Diode) lamps with power ratings between 5W and 150W.

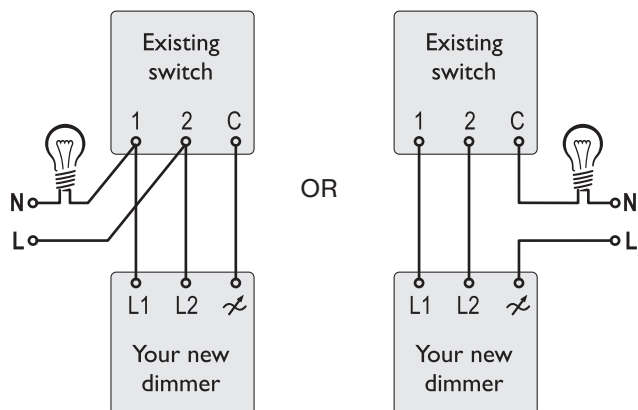
Depending on the model, your dimmer/switch panel will have between one and four dimmer channels. The wiring for each individual dimmer circuit is the same. Each dimmer can replace a normal switch in either a 1-way or a 2-way installation.



In a 1-way installation, you simply connect the Live mains feed (brown or red wire) to the  $\curvearrowright$  terminal and the wire from the bulb (blue or black with a brown/red sleeve) to the L1 (or L2) load terminal.

*Note: The earth connections are not shown in these diagrams but they are essential.*

In a 2-way installation, such as a landing light that can be switched from downstairs as well as upstairs, the wiring will be achieved in either of two ways:

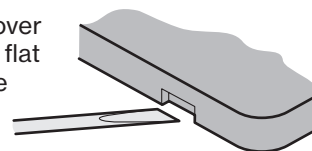


You need to connect your new dimmer to the circuit in exactly the same way as the switch that it is replacing.

*Note: You can only replace one of the existing switches in a 2-way installation, dimmers cannot be used at both ends. This product must be installed in accordance with local building regulations.*

**IMPORTANT:** If you are in any doubt, STOP and seek professional help. Do not proceed unless you are sure.

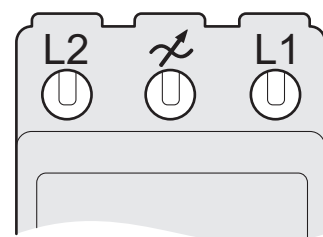
Remove the knob(s) and front cover from your dimmer. Insert a small flat blade screwdriver into one of the base slots and carefully prise off the front cover.



- 1 Ensure that the mains supply to the circuits are isolated. Double check that all circuits are dead.
- 2 Remove the two wall screws that are securing the existing switch. Take a photo of the existing connections, then disconnect the wires and remove it from the installation.
- 3 Connect the wires to your dimmer in the same way that they were connected to the previous one. If there are separate channels, be sure not to mix their connections.

The  $\curvearrowright$  connection is the common connection (most often connected to the live feed of the circuit).

L1 and L2 are the switched connections (the  $\curvearrowright$  terminal links either to L1 or L2 when you press the knob)



- 4 Ensure that a valid earth connection is made to the dimmer/switch panel. Ensure that the bare copper earth connections have green/yellow sleeves to isolate them from other connections. Check that all screw terminals are properly tightened and no bare wires are visible.
- 5 Secure the dimmer panel in place and test it.
- 6 Place the front cover onto your dimmer panel and fit the supplied knob(s).