

DETA

GRIDSWITCH

Instruction Leaflet Gridswitch Dimmers

Catalogue number

G3521	2 way, 60-400W grid dimmer
G3522	2 way, 40-250W grid dimmer

Description

These dimmer switches are suitable for dimming incandescence loads and some electronic low voltage lighting transformers. Ensure you have the correct dimmer for your application. This dimmer is not suitable for inductive fluorescent or energy saving loads.

Safety Instructions

- Always switch off the electrical supply before commencing installation.
- The two parts of the G3521 must be plugged together when the dimmer is in use.
- If the dimmer is being used to control halogen lamps, then derate the dimmer to 75% of maximum load.
- Metal mounting boxes must be earthed.
- Do not overload or under load the dimmer.
- When controlling a light from two positions, it is only possible to have one dimmer switch. The other control needs to be a normal switch.
- Please refer to the main Grid Switch instruction leaflet for installing the grid, modules and frontplate.
- It is not recommended that dimmer modules only are fitted in frontplates, particularly with 8 gang and above frontplates.
- **If in doubt, contact a qualified electrician.**

Installation

1. Switch off the mains supply before commencing the installation.
2. Dimmer switches should be fitted in the lowest rows of multi-gang frontplates to allow for heat dissipation, the two parts of the G3521 must be plugged together when the dimmer is in use.
3. Dimmer modules will need to be de-rated if installing more than two dimmer modules in a frontplate or if used to control mains voltage tungsten halogen lamps.
- 3a. The de-rating of the dimmer depends upon the position of the dimmer module within the frontplate. De-rate dimmers in the bottom row to 300W, the second row from bottom to 200W and dimmers in the third row from bottom to 150W. In 24 gang frontplates it is not recommended fitting dimmers in the top row.
- 3b. If using the dimmer switches to control low voltage lighting, the recommended maximum number of low voltage lighting transformers connected to each dimmer is 5.
- 3c. If using the dimmers with mains voltage tungsten halogen lamps, the recommended maximum load is 300W.
4. If replacing an existing switch, remove the existing switch, taking note of the wires and which terminals they are in. If there are two wires in one terminal of the existing switch then they must be kept together in the dimmer switch.

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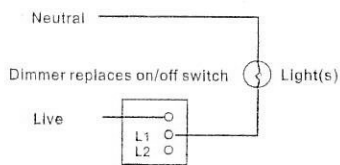
5. Ensure that the mounting box is free of plaster lumps or protruding screw heads.
6. Terminate the dimmer switch in accordance with the diagrams in the Wiring Instructions section.
7. Fit the dimmer switch onto the mounting box, taking care not to pinch or trap any wires.
8. Switch on the power supply. A slight buzzing sound may be heard from the dimmer in operation - this is normal.

Wiring Instructions

- Remove 6mm of insulation from the wire.
- Follow one of the following diagrams:

One way switching

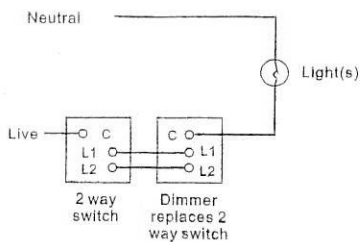
Fig.1
2 way dimmer



Reconnect the wires either way round to the C terminal and one of the "L" terminals

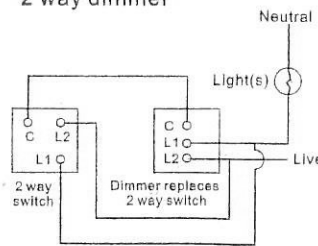
Two way switching

Fig.2
2 way dimmer



Dimmer must replace only one of the 2 way switches

Fig. 3
2 way dimmer



Dimmer must replace only one of the 2 way switches

Specification

Voltage	200 -250V 50 Hz.
Wattage rating	See Catalogue number above