

LEDstat Grid Dimmer	Grid Dimmer Adaptor	Grid	Grid Fix Front Plate	Dimmer Knob
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GRID100LED-GRID-IT MODULE

Technical Features:

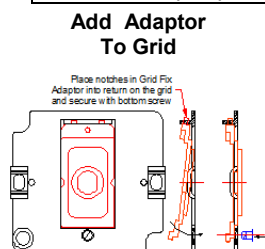
- Electronic ON/OFF Auto Detect - Intelligent Dimmer Module.
- Dims up to 100W of LED lamps in Trailing Edge mode:
- 20 x 5W lamps = 100W.
- 16 x 6W lamps = 96W.
- 14 x 7W lamps = 98W.

Please de-rate by 25% if Leading Edge dimming is required on LEDs.

- **MAX 75W Leading Edge.**
- **MAX 100W Trailing Edge.**
- Soft start feature helps increase lamp life.
- Can be used as part of a multi-way dimming operation allowing you to switch and dim the lights from multiple points using Hamilton retractive (push-to-make) switches or toggles.
- Built in overload protection. – The dimmer will bleep 13 times, after that the dimmer will revert to normal operation mode. If product continues to make a bleeping noise please inspect and check the lamps on the circuit as it could still be overloaded.
- Manually select dimmer mode (Leading or Trailing Edge).
- Set minimum light level via the potentiometer.
- Designed to be installed using a 35mm flush wall box that conforms to BS4662:2006.

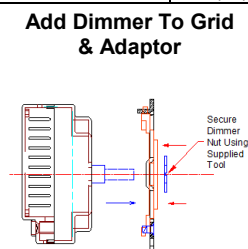
Technical Information:

Terminals (For multi-way dimming using retractive switch)	Switch input, Live, Load Slave	Input Rated Voltage	230-240V AC ~ 50Hz
Capacity – Minimum Load	5W	Capacity – Maximum Load	100W Trailing Edge 75W Leading Edge
No. Of Operation Modes	2 Operation Modes: Trailing Edge 100W & Leading Edge = 75W	Ambient Temperature Range	0°C to +70°C
Dimensions (mm)	23 (W), 29 (D), 58 (H)	Standard & Approval	BS EN 60669 – 2 – 1

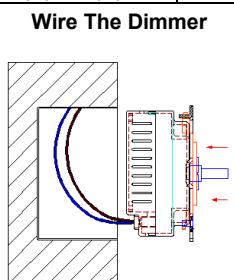
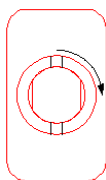


Add Appropriate Grid Fix Adaptor to Grid. For Hamilton Grid Fix, slot the 2 notches at the base of the adaptor into grid return and secure with bottom screw.

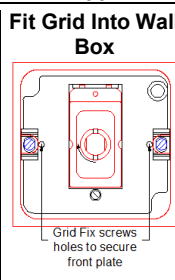
Your chosen Adaptor will make the dimmer compatible with Hamilton, & other manufacturers switch plates.



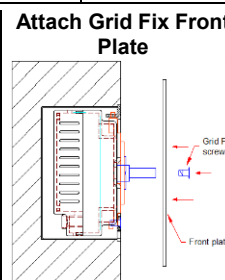
Secure and tighten grid and adaptor assembly to the dimmer nut using the supplied tool.



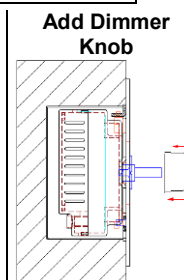
Fit appropriate 35mm deep wall box and connect dimmer following the connection diagram on page 2.



Once the dimmer is connected, secure the grid to wall box.



Fit the front plate using the grid fix screws.

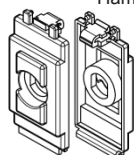


Add the dimmer knob to complete the installation.

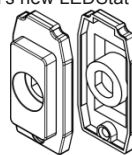
Please dispose of electronic equipment responsibly.



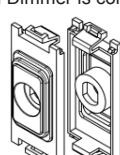
Hamilton's new LEDStat Grid Dimmer is compatible with many popular grid based / clip-in switch plates using the Adaptors shown below.



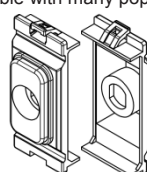
BG – British General



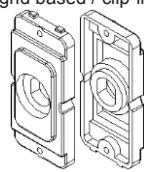
Crabtree



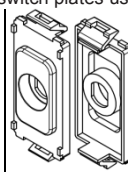
Deta



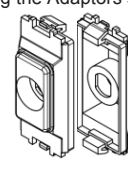
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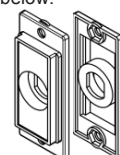
Hamilton



Schneider
Electric



MK



Wandsworth



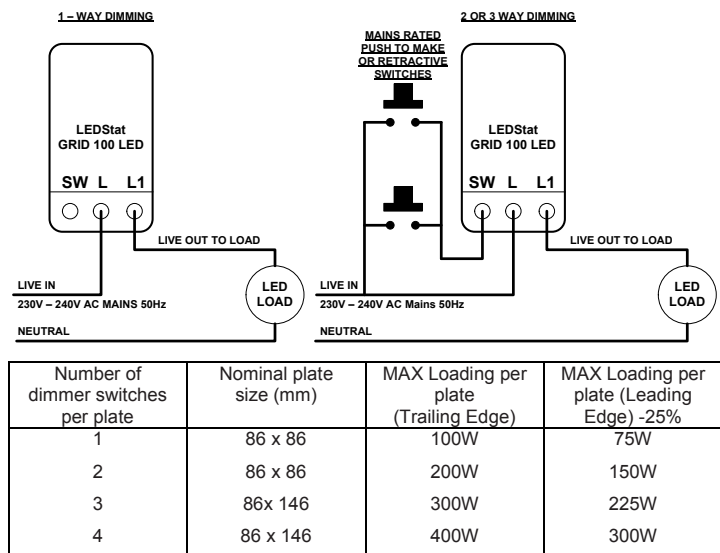
IMPORTANT – PLEASE READ BEFORE INSTALLATION:

The device is designed for single-phase installation, and must be installed in accordance with applicable UK and European standards. Installation, connection, and setup should be carried out by a qualified electrician. The device should be connected according to the connection diagram below. DO NOT disassemble device as it may cause an electric shock and will invalidate the guarantee. Before installation, ensure the mains power is isolated and connection cables are not live. For technical support contact us via:

Post: Hamilton Litestat Customer Services, Quarry Industrial Estate Mere, Wiltshire, BA12 6LA.

Web: www.hamilton-litestat.com, Email: technical@hamilton-litestat.com

1. Isolate the mains supply
2. Remove the retaining screws and carefully withdraw accessory from wall box to reveal connections at rear.
3. Fit the corresponding Grid Fix cover to the dimmer module to make it compatible.
4. Check that no mains voltage is present within existing accessory by use of 240 volt test-lamp (if available). Disconnect all cables noting their respective connections.
5. Bend back top and bottom wall box mounting lugs if present
6. Connect accessory with reference to diagrams shown for each accessory.
7. Check all connections thoroughly.
8. Ensure the wall box is free from dust and debris.
9. Mount accessory, taking care not to trap any cables beneath plate fixing screws. Do not over-tighten the fixing screws.
10. Switch on mains supply at fuse box and check operation of accessory.
11. Do not over tighten fixing screws. This may cause damage, which could invalidate warranty.



Operation of Multi-way “retractive” switch or “push to make” switch:

- Push ON / Push OFF the lamp.
- Push and hold the switch for cycle dimming.
- **PLEASE NOTE THIS PRODUCT SHOULD NOT BE USED WITH A NORMAL 2-WAY SWITCH.**
- For 2-Way and 3-Way dimming please install dimmer with a **retractive / push-to-make switch**.
- For further information visit our website: www.hamilton-litestat.com
- See a demonstration video on [YouTube](https://www.youtube.com) by searching for Hamilton Litestat.



How to set the minimum lighting level:

- Turn dimmer OFF.
- Push and hold the knob for 5 seconds, until the lamp automatically dims up to maximum output and then dims down to minimum level, then release the knob. This process starts the option to set the minimum level output dimmed setting. Some LEDs become unstable when dimmed to a low level and may “flicker”.
- Adjust the knob to a low “stable level”, and push the knob once to exit the minimum level set program. Please note that some LEDs will not dim to OFF state. Ensure all lamps “re-strike” when turned on at a low level.
- When you have finished setting, the lamp will automatically ramp up to the maximum output level and dim down to the minimum level. Setting are now saved within the dimmer automatically.
- Search LEDStat

How to define the dimming mode: - Leading Edge (LE) or Trailing Edge (TE):

- During initial Power ON :
- If the lamps ramp to “ON” then return to OFF after long bleep, this indicates that the dimmer is in TE (Trailing Edge dimming mode 100W).
- If the lamps ramp to “ON” then return to OFF 3 times the dimmer is in LE (Leading Edge dimming mode 75W).
- The mode of dimming will remain until power is isolated to unit. If power disconnects, the minimum level setting will remain in memory.

Shift dimming mode:

During initial power on, the dimmer automatically selects Leading or Trailing Edge (whichever is best to dim the load detected). If you do experience any “flickering” the dimming mode can be altered manually. Push ON the lamp, and turn to min. dim brightness until the dimmer beeps. Push and hold the knob for 3 seconds, the lamp will turn OFF and auto ON again. After that, the mode has been changed. (LE mode has 3 short beeps, and TE mode had 1 long beep sound).

DISCLAIMER:

This equipment is intended for domestic and commercial installations only, including hotels and offices. It must be installed in accordance with the supplied fitting instructions. It should be fixed in the approved and conventional way to a folded metal wall box that conforms to BS 4662.

All accessories are manufactured under an accredited BS EN ISO9001:2008 Quality Management System.

GUARANTEE (Applies to UK and Eire):

This accessory is guaranteed against faulty workmanship or materials for a period of twelve months and will be repaired or replaced free of charge on condition that it is returned to Customer Services Dept, and that: (See notes a - d below).

- a) The accessory has not been overloaded or connected to a supply other than 230/240 volts 50Hz.
- b) The installation procedure has been carried out correctly.
- c) The accessory has not been taken apart or repaired by any unauthorised person.
- d) The Bill of Sale (dated) accompanies the accessory for repair or replacement.

This guarantee does not affect the statutory rights of the consumer. In no circumstances can the company accept responsibility for any consequential loss or damage said to arise from the use of this product.