

# 8 Channel Dimmer Module



An eight circuit Leading Edge mains Dimmer Module for the control of resistive and inductive lighting loads including compatible LED loads with the facility to select dimming or switched only operation of any circuit. A custom designed housing provides reliable power handling in a compact format.

Modules may be used in a standalone mode with simplified functionality providing programmable Scene Setting or Impulse (ON/OFF/DIM) type control from a single keypad. Alternatively conventional momentary switches can be linked to a Contact Input Module (DIN-INT-00-08-PLUS) to provide Impulse (ON/OFF/DIM) control of up to eight lighting circuits using eDIN+ Dimmer Modules.

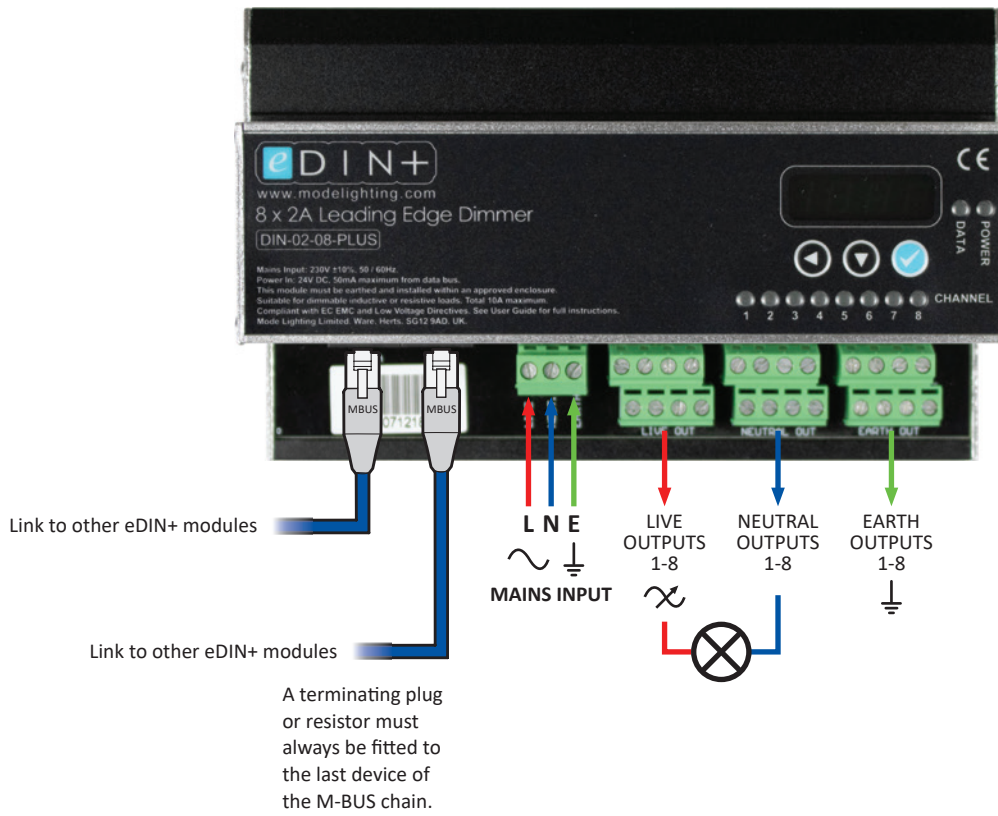
An onboard menu system provides simple setup of circuit functions, maximum and minimum dimming levels, circuit test facility and override facility. eDIN+ Dimmer Modules may also be used in conjunction with a Network Processor Module to provide flexible, adaptable control for small and medium scale projects.

## Key Features

- » Eight channel Dimmer Module.
- » Tungsten loads 8 x 500W (2400W maximum module load).
- » LED loads 8 x 50W (300W maximum module load).
- » Leading Edge Dimming Technology.
- » Selectable dimming or switching operation.
- » Programmable circuit cap and cup levels.
- » Operates resistive and inductive loads including LED loads.
- » Low load compatible.
- » M-BUS enabled.
- » Quiet operation.
- » ISO9001 certified design and manufacturing facility.
- » Compact 9M width DIN rail mounting module.
- » 2 year warranty.



System Architecture



Technical Data

Power	
Mains Supply	<ul style="list-style-type: none"> <li>» 230V AC +/- 10% 50/60Hz, single phase</li> <li>» 10A RCBO protection recommended</li> </ul>
Channel Load	<ul style="list-style-type: none"> <li>» 2A (500W) maximum per channel, resistive or inductive loads</li> <li>» 50W maximum per channel for LED loads*</li> </ul>
Module Load	» 10A maximum
Connections & Cable Specifications	
Output Type	» Leading Edge Mains Dimming
Control Input	» M-BUS
M-BUS Current Consumption	» 50mA
Output Control Type	<ul style="list-style-type: none"> <li>» 8 dimmed live outputs</li> <li>» 8 neutral connections</li> <li>» 8 earth connections</li> <li>» Rising cage screw terminals (maximum wire size 1.5mm<sup>2</sup>)</li> </ul>
Mechanical	
Material	» Extruded aluminium case
Standards	» EN55015, EN61547, EN61000-3-2, EN61000-3-3, EN60669-2-1
Dimensions	» 100mm High x 156mm Wide x 64mm Deep
Weight	» 0.95kgs
Module Size for DIN Enclosure	» 9 Module (9M)

**Note**

For additional technical information refer to Installation Guide DIN-02-08-PLUS.

\*The maximum number of lamps on a circuit and dimming performance will vary for different lamps and manufacturers. Users should verify performance and dimming range with the lamp manufacturer. For further advice please contact your local distributor or the Mode Lighting Technical team.

Installation should be in accordance with the relevant National Wiring Regulations and other applicable Regulations. Compliance to EC EMC and Low Voltage Directives may be invalidated if not used or installed according to the published specification.

DIN-02-08-PLUS should be located in well ventilated areas and should not be covered or enclosed by insulating materials.

Mode reserve the right to amend the product specification or design at any time and without notice.



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