

**CONTENTS:**

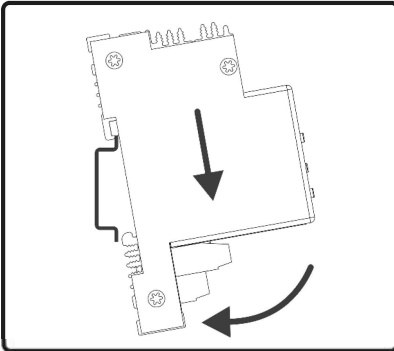
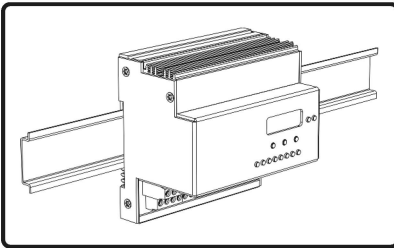
- 8 x 2A Leading Edge Dimmer Module
- 300mm Data-Bus Link Cable

# INSTALLATION GUIDE:

## 8 x 2A Dimmer Module DIN-02-08-PLUS

The eDIN+ 8 x 2A Dimmer module is a 9M sized, leading edge dimmer suitable for inductive or resistive loads of up to 10A total.

### SPECIFICATION & MOUNTING



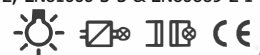
Modules must be installed within a suitable surface mount enclosure with integral DIN rail. Installation must be carried out by a qualified electrician in accordance with National Wiring Regulations and other applicable regulations. Compliance to EC EMC and Low Voltage Directives may be invalidated if not used or installed according to the published specification.

eDIN+ modules are designed to attach to a standard 35mm wide DIN rail (EN 50022, BS 5584). To install, simply hook the module from the top, push down and click into place (see diagram).

Dimmer modules produce heat according to loading. Care should be taken that the maximum ambient temperature of 40°C is not exceeded, particularly when installed within small non-ventilated enclosures or when multiple dimmer modules are installed within a single enclosure.

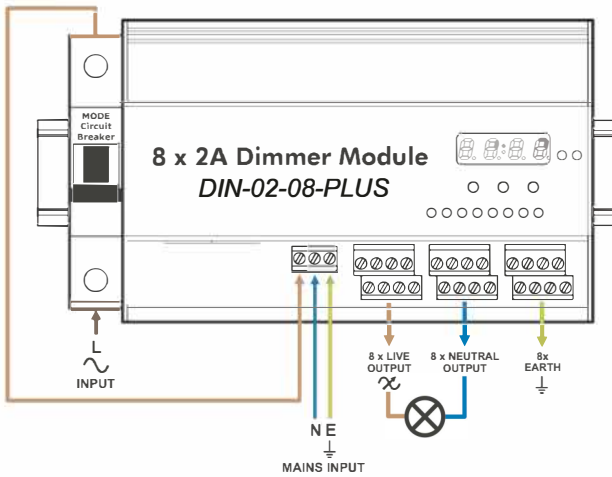
All eDIN+ modules must be earthed. Modules contain no user serviceable parts and should not be opened.

- Module Size:** 9M, L156mm x W100mm x H64mm
- Mains Input:** 230V +/- 10% 50/60Hz, single phase
- Power Input:** 24V, 50 mA max. from data bus
- Max. Wire Size:** 2.5mm<sup>2</sup> (input), 1.5mm<sup>2</sup> (output)
- Control Input:** Mode M-BUS
- M-BUS Connection:** 2 x RJ-45 (in and out)
- Loading:** 2A (approx. 500W) per channel resistive or inductive load. Total 10A max.
- ta Max:** 40°C
- tc Max:** 80°C
- Standards:** (CE EMC & LVD) EN55015, EN61547, EN61000-3-2, EN61000-3-3 & EN60669-2-1



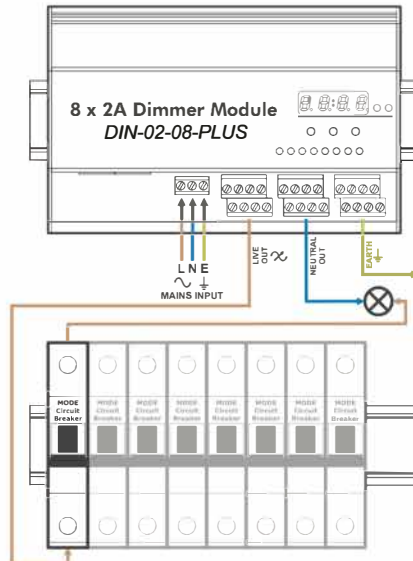
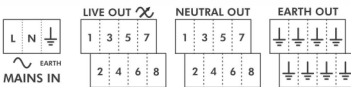
# PROTECTION ON MAINS INPUT

- **IMPORTANT:** Mains input must be protected by 10A maximum type C MCB.

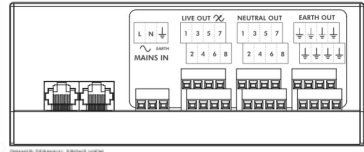
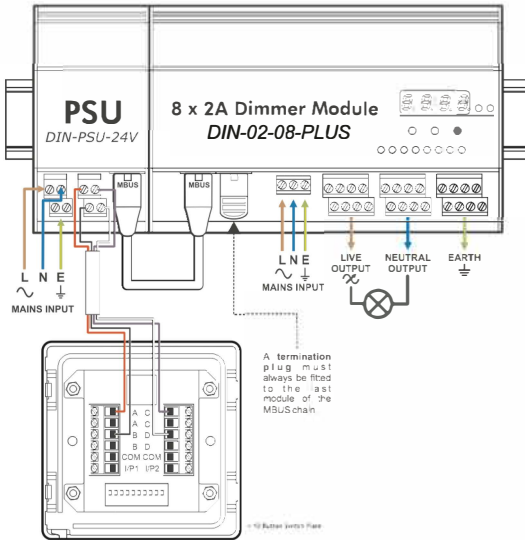


# PROTECTION ON OUTPUT CIRCUITS

- Output circuits may be protected by suitably rated MCBs as shown if required.
- **IMPORTANT:** Mains input must be protected by 10A maximum type C MCB.

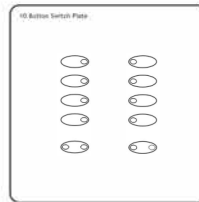


# WIRING



### IMPORTANT:

- Correctly certified cables must be used for all mains voltage and extra low voltage MBUS connections in accordance with National Wiring Regulations and other applicable regulations.
- Mains input to power supply must be protected by a suitably rated MCB.
- Mains input to dimmer module must be protected by 10A maximum type C MCB.



In order to test an eDIN+ system once it has been wired together, follow the shaded instructions on the back page.

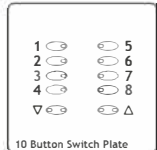
# STANDALONE MODE PROGRAMMING

This is a set of instructions for programming scenes of up to 8 circuits using a 10-button single gang switch plate.

**Note:** The address of the plate must be set to the same address as the dimmer module.

### To begin programming scenes (only in Standalone Scene Mode):

- Hold down the scene button (1-8) for 5 secs for the scene that you wish to edit. The LED for the selected scene will now flash **blue** (and all other buttons 1-8 are **green**). The following three functions (A, B & C) can now be programmed in any order. These are **optional** features and if the settings are not edited then default functions are used.



### A. Set Scene Levels

Ensure no channels are selected by checking no buttons are solid blue (see section B for channel selection). To change the **master brightness** of a complete scene, press the **Δ** or **∇** button to raise or lower **all** channels together.

### B. Set Channel Levels

To set the **level** of a channel, press the desired channel button (1-8). The selected channel will be illuminated solid **blue**. Press the channel button again to release the channel, or hold **Δ** or **∇** to raise or lower the brightness level as required.

### C. Set Scene Fade Time

To change the **fade time**, begin by pressing and holding the buttons 1 and 5 together for 2 seconds. Buttons 1-4 will now be illuminated red with varying levels of brightness. The brightest button indicates the fastest fade time. Select a button:

- Button 1** = 0 seconds      **Button 3** = 4 seconds
- Button 2** = 2 seconds      **Button 4** = 8 seconds

- To **exit** programming mode, hold down the flashing blue scene button for five seconds. Alternatively, to begin editing another scene, hold down the button for the new scene for five seconds and begin editing options A, B & C as above (return to stage two).

### Other Plate Functions

**Master Plate** - Setting a plate's address to 511 sets it as a 'master' which will control all modules on any address.  
**On / Off Switch** - There are two sets of contact input terminals on the rear of the plate. A contact closure on Input 1 has the same effect as pressing the **∇** button. A contact closure on Input 2 has the same effect as pressing the **Δ** button. These inputs could also be used on a plate set to address 511 to facilitate an 'all on' and an 'all off' function.

