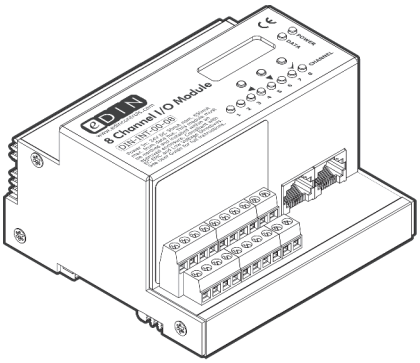
MODE LIGHTING



eDIN+

www.modelighting.com

The DIN-rail mounting modular lighting control solution from Mode Lighting.

CONTENTS:

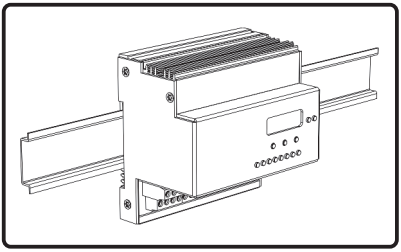
- 8 Channel Input / Output Module
- 300mm Data-Bus Link Cable

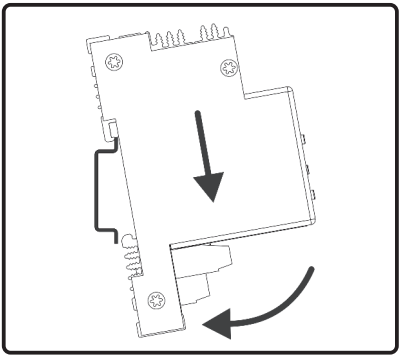
INSTALLATION GUIDE:

8 Channel I/O Module DIN-INT-00-08-PLUS

The 8 Channel Input / Output module is a 6M sized DIN rail mounted unit which can be configured to accept 0-10V, 1-10V, DSI or switched contact inputs or provide 0-10V, 1-10V, DSI or DMX outputs to SELV (Safety Extra Low Voltage) equipment.

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.

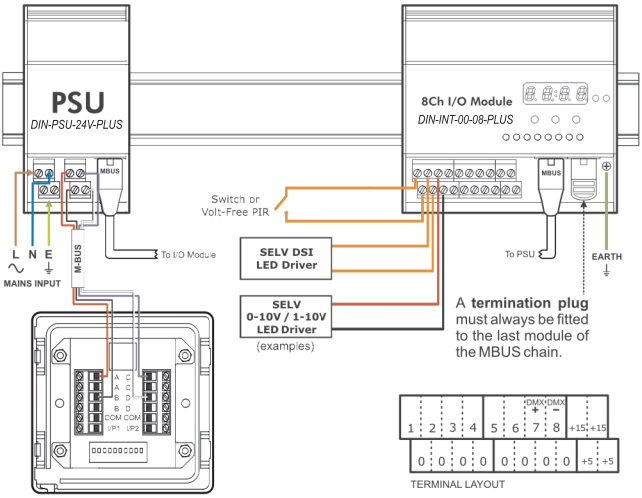
eDIN+ modules are designed to attach to a standard 35mm wide DIN rail *(EN 50022, BS 5584)*. To install, simply hook the module from the top, push down and click into place (see diagram).

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

Module Size:	6M, L 106mm x W 100mm x H 64mm
Power Input:	24V, 50mA nominal; 850 mA maximum from data bus
Max. Wire Size:	1.5mm²
Control Input:	Mode M-BUS
M-BUS Connection:	2 x RJ-45 (in and out)
ta Max:	40°C
tc Max:	60°C
Standards:	(CE EMC & LVD) EN55015, EN61547, EN61000-3-2, EN61000-3-3 & EN60669-2-1

CE

WIRING



SUPPORTED CONTROL TYPES

Protocol	Input	Output
0-10V	✓	✓
1-10V	✓	✓
DSI	✓	✓
DMX	◆	✓
Volt-Free Contact	✓	○

✕ Not Supported

✓ Supported

○ Supported using eDIN Relay Module

◆ Please contact Mode Lighting for further technical information

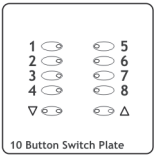
- In order to test an eDIN+ system once it has been wired together, follow the shaded instructions on the back page.

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.
- Use only with SELV equipment. To control fluorescent ballasts with DALI, DSI or 1-10v use an eDIN Universal Ballast Controller Module.

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.



10 Button Switch Plate

1

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.

2

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 illumated 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

3

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

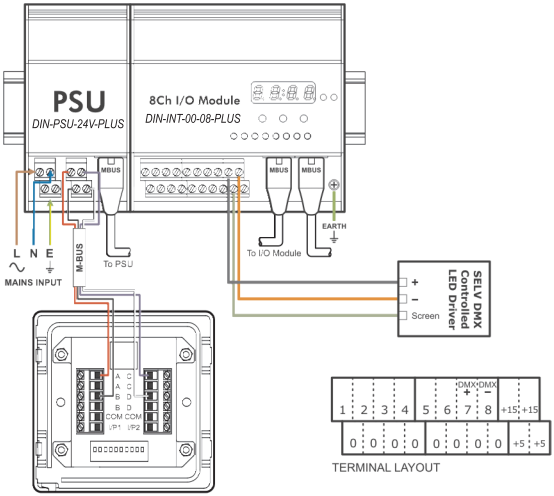
Master Plate - Setting a plate's address to 511 sets it as a 'master' which will control all modules on any address.

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.

DMX OUTPUT WIRING EXAMPLE

IMPORTANT:

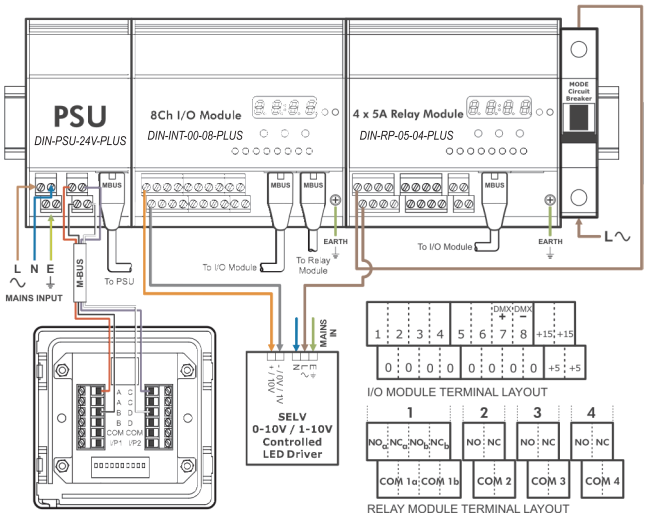
- Mains input to power supply must be protected by a suitably rated MCB.
- Use only with SELV equipment. To control fluorescent ballasts with DALI, DSI or 1-10v use an eDIN Universal Ballast Controller Module.



0-10V OR 1-10V OUTPUT EXAMPLE

IMPORTANT:

- Mains input to power supply and relay must be protected by suitably rated MCBs.
- Use only with SELV equipment. To control fluorescent ballasts with DALI, DSI or 1-10v use an eDIN Universal Ballast Controller Module.



SETUP USING ONBOARD MENU

The on-board menu on all the eDIN+ modules is used to setup a device for use in **standalone** mode. Alternatively, adding an eDIN+ Network Processor Unit to your setup will allow you to configure your system using eDIN+ software, operated using a web browser via an ethernet connection.