

# 4x12A DALI-2 Relay Instructions



## Highlights

- 4 channels relay module
- Control 4 relays separately via DALI: Loads that do not have a DALI input can be integrated in the DALI circuit. The loads can be switched on and off via DALI.
- Zero crossing detection for switching 4 x 12A
- 4 DALI addresses can be assigned by DALI master controller automatically
- Compatible with universal DALI systems and master controllers in the market
- DIN rail installation, compatible with standard 35mm DIN rail

## Delivery scope

### Identcode

- |                             |               |
|-----------------------------|---------------|
| • SYMPHO 4x12A DALI-2 Relay | CL23100278855 |
| • Welcome note              |               |
| • Instructions              |               |

## Optional accessories

- |                   |             |
|-------------------|-------------|
| • SYMPL dali Node | AB444230035 |
|-------------------|-------------|

## Safety & Warnings



- Do not install with power applied to device.
- Do not expose the device to moisture.
- Read the instructions prior to installation.



For further product information and downloads see [www.ecue.com](http://www.ecue.com).

## Product specifications

|                        |                                             |
|------------------------|---------------------------------------------|
| Dimensions (W x H x D) | 53 x 110 x 65 mm /<br>2.09 x 4.33 x 2.56 in |
| Weight                 | 180 g                                       |
| Material               | PC                                          |
| Mounting               | On 35 mm DIN rail (EN 60715)                |
| Installation condition | Indoor                                      |
| Certificates           | CE, UKCA, DALI-2, RoHS                      |

## Electrical information

|                   |                                                  |
|-------------------|--------------------------------------------------|
| Input Power       | 100 ... 240 V AC, 50/60 Hz                       |
| Power Consumption | max. 0.96 W (when relay contact closes or opens) |
| Control           | DALI                                             |
| Stripping Length  | 6 ... 7 mm / 0.24 ... 0.28 in                    |

## Interface specifications

|                  |                                                                                             |
|------------------|---------------------------------------------------------------------------------------------|
| Input            | 1 x DALI<br>wire gauge: 0.5 ... 2.5 mm <sup>2</sup>                                         |
| Output           | 4 x relay, NC, volt-free<br>current: 4 x 12 A<br>switching voltage: max. 250 V AC / 30 V DC |
| <b>Load Type</b> | <b>Max. Load</b>                                                                            |
| Resistive,       | 4 x 2760 W @ 230 V AC                                                                       |
| Inductive,       | 4 x 1320 W @ 110 V AC                                                                       |
| Capacitive       |                                                                                             |

wire gauge: 2.5 mm<sup>2</sup>  
4 DALI addresses

1 x DALI

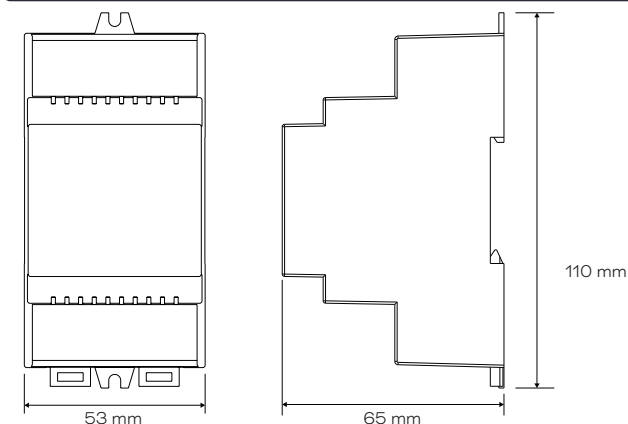
wire gauge: 0.5 ... 2.5 mm<sup>2</sup>

## Environment

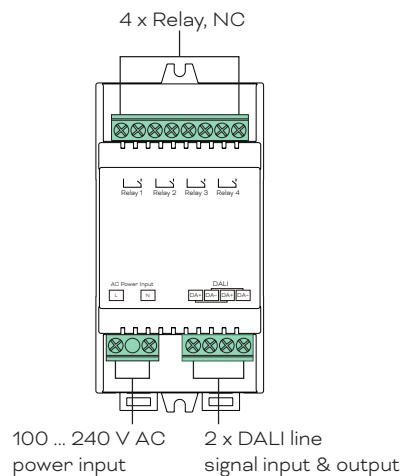
|                             |                               |
|-----------------------------|-------------------------------|
| Operating Temperature Range | 0 ... 45 °C / 32 ... 113 °F   |
| Operating Humidity          | 5 ... 95% (non condensing)    |
| Storage Temperature Range   | -20 ... 50 °C / -4 ... 122 °F |
| Storage Humidity            | 5 ... 95% (non condensing)    |



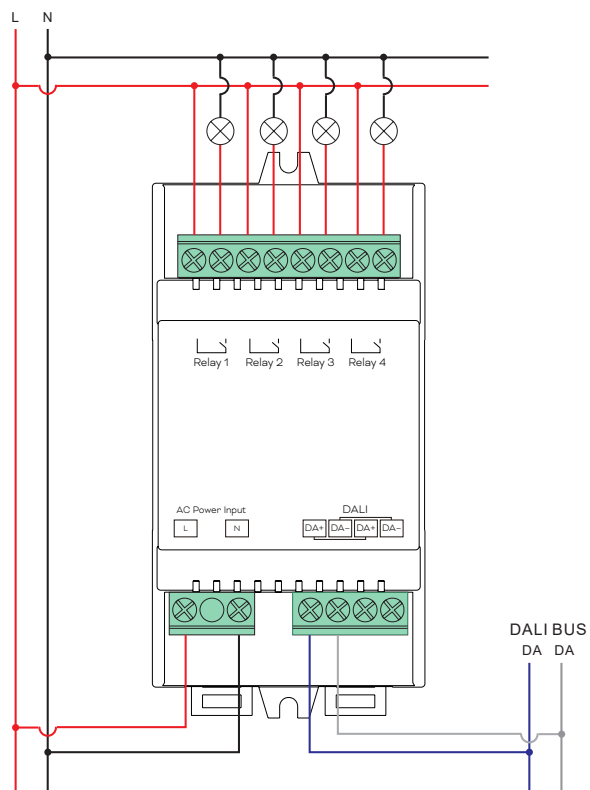
## Dimensions



## Connectors & Interfaces

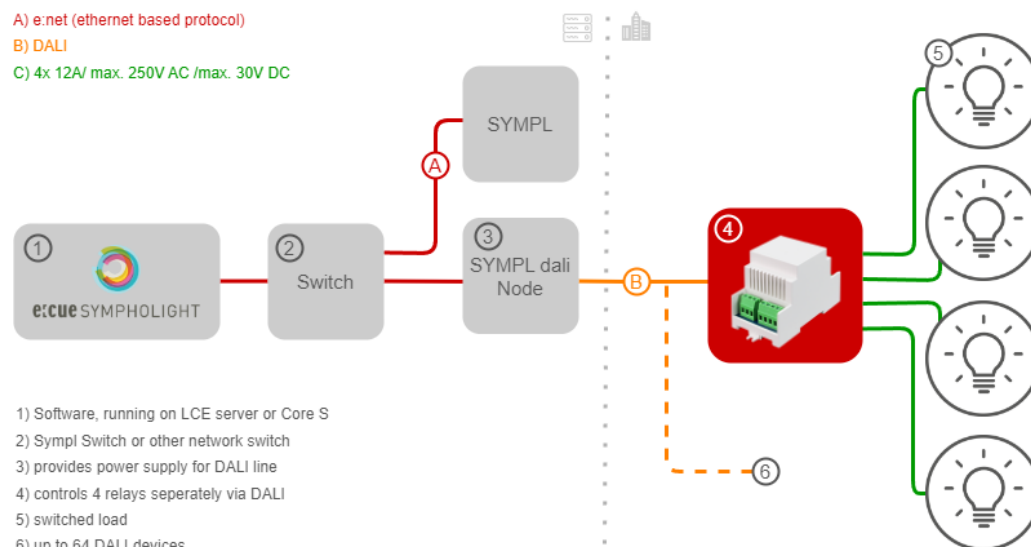


## Wiring Diagram



## System Diagram

- A) e.net (ethernet based protocol)
- B) DALI
- C) 4x 12A/ max. 250V AC /max. 30V DC



## Operation

DALI addresses can be assigned by the DALI master controller automatically - please refer to the information for use of the DALI master controller for specific information.