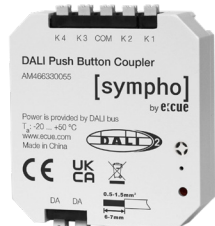


DALI Push Button Coupler Instructions



Highlights

- DALI-2 control device that integrates existing push switches into DALI system
- 4 x DALI-2 push button instances are available for an easy integration
- In compliance with IEC62386-101, IEC62386-103, IEC62386-301
- Suitable for integration and in combination with DALI-2 compliant central control units
- Multimaster capable, multiple modules can be installed on the DALI line
- DALI bus powered, no extra power supply required
- Easy installation: the device can be installed in a flush-mounted installation box

Delivery scope

Identcode

- eCUE DALI Push Button Coupler AM466330055
- Safety instructions
- Instructions

Optional accessories

- SYMPL dali Node AB444230035

Product specifications

| | |
|--|--|
| Dimensions (W x H x D) | 49.8 x 43 x 15.1 mm / 1.96 x 1.69 x 0.59 in |
| Weight | 40 g |
| Mounting | back box installation, installation in protection class II devices |
| Max. casing temperature T _c | 75 °C |
| Expected life time @T _c | 50,000 H |
| Protection class | II in Intended Use |
| Protection degree housing | IP20 |
| Protection degree terminals | IP20 |
| Certificates | CE, DALI-2, UKCA, RoHS, FCC |

DALI interface

| | |
|---|--|
| Output type | DALI-2, Multimaster |
| Marking | DA, DA |
| Voltage range | 9.5 V DC - 22.5 V DC (according IEC62368-101) |
| Typ. current consumption DALI (at 16.5 V) | 2.7 mA |
| Max. current consumption DALI (Inrush current at 22.5 V) | 10 mA |
| DALI addresses | None |
| DALI-2 addresses | 1 |

Input interfaces

| | |
|-------------------------|------------------------------|
| Input for | Potential free button/switch |
| Number of inputs | 4 |
| Marking input terminals | K1, K2, K3, K4, COM |
| Max wire length | 200 m |

Terminals

| | |
|-----------------|----------------------------|
| Connection type | Spring terminal connectors |
|-----------------|----------------------------|

| | |
|----------------------------------|--|
| Wire size solid core | 0.2 ... 1.5 mm ² (AWG 28 ... AWG 14) |
| Wire size fine core | 0.2 ... 1.5 mm ² (AWG 28 ... AWG 14) |
| Wire size using wire end ferrule | 0.25 ... 1.0 mm ² |
| Stripping length | 9 ... 10 mm / 0.35 ... 0.39 inch |
| Tightening / release of wire | Push mechanism |

Environment conditions

| | |
|-----------------------------|--------------------------------|
| Storing temperature | -20 ... +50 °C / -4 ... 122 °F |
| Working ambient temperature | -20 ... +50 °C / -4 ... 122 °F |
| Relative humidity | 8 ... 80 % |



Safety & Warnings

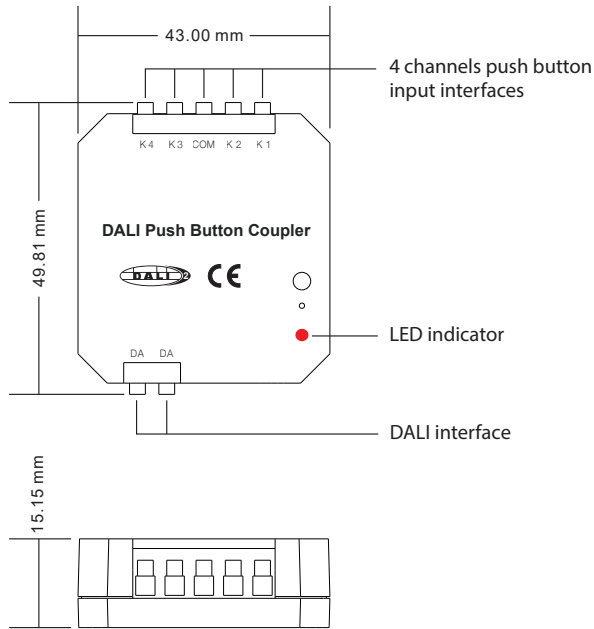


- Do not install with power applied to device.
- Do not expose the device to moisture.
- Read the instructions prior to installation.



For further product information and downloads see www.ecue.com.

Dimensions



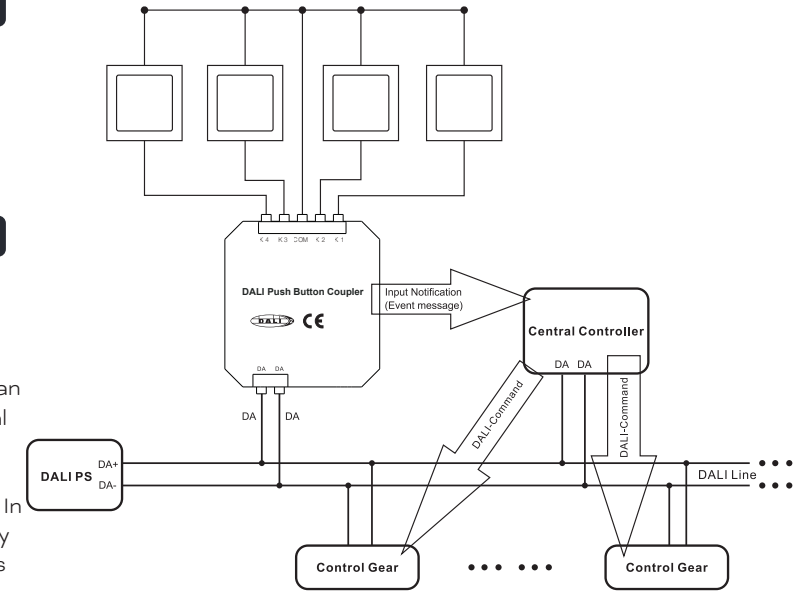
LED behavior

| | |
|--------------------|--------------------|
| Off | No voltage applied |
| On | Voltage applied |
| Flickering | DALI traffic |
| Blinking regularly | Identify command |

Application & Function

Integration in a system with DALI-2 compliant central control unit, button pushes result in input notifications (event messages).

The SYMPHO DALI Push Button Coupler can be used as an input device for the integration in DALI-2 compliant central lighting control systems. In this operating mode, no DALI control commands are sent on the bus, but DALI-2 event messages for DALI-2 compatible central control systems. In this mode each input ("instance") informs about changes by using so called "input notifications". These event-messages can be evaluated by other controllers on the DALI line e.g. as trigger for commands sent to luminaires.



The SYMPHO DALI Push Button Coupler supports 4 instances (1 - 4) of type 1 (IEC62386-301, Input Devices - Push Button) which are assigned to the 4 button inputs.

According to the standard the following input notifications are supported:

| Event Name | Event Information | Description |
|-------------------|-------------------|---|
| Button released | 00 0000 0000b | The button is released. |
| Button pressed | 00 0000 0001b | The button is pressed. |
| Short press | 00 0000 0010b | The button is pressed and released, without being pressed quickly again (in case of double press enabled), or the button is pressed and quickly released (in case of double press is disabled). |
| Double press | 00 0000 0101b | The button is pressed and released, quickly followed by another button press. |
| Long press start | 00 0000 1001b | The button is pressed without releasing it. |
| Long press repeat | 00 0000 1011b | Following a long press start condition the button is still pressed, the event occurs at regular intervals as long as the condition holds. |
| Long press stop | 00 0000 1100b | Following a long press start condition, the button is released. |
| Button free | 00 0000 1110b | The button has been stuck and is now released. |
| Button stuck | 00 0000 1111b | The button has been pressed for a very long time and is assumed stuck. |

Further parameters of the instances 1-4 are: event filter, event timer settings (short timer, double timer, repeat timer, stuck timer), which can be configured according to IEC62386-301.

Installation

