

Datasheet #89033719



The LDALI-BM1 push button coupler integrates up to four customary light push buttons and switches into a DALI channel. When the push button is pressed, DALI commands are sent to a DALI group within the DALI channel or even across DALI bus limits to the corresponding building network (via L-DALI controller).

Each input can be configured to execute a function depending on how it is pressed (short or long push of a button, toggle, button, or switch mode). The following functions are available:

- Dim up, dim down,
- Off,
- On with last dimming value,
- Scene recall: 1–15,
- Dim to a specified value in %,
- Color temperature warmer/colder,
- Active auto mode.

In the mode toggle, the function is carried out depending on the lighting status (toggle switch).

The module LDALI-BM1 is directly connected to a DALI channel and also supplied with energy by that channel. A L-DALI controller or LROC-40x is required for configuration.

### Features

- Easy integration into LOYTEC L-DALI lighting systems and LROC-40x room automation controllers
- Device configuration with configuration tool or via the built-in web server of the used L-DALI controller
- Programmable inputs for 4 conventional push buttons or switches
- Multi-master compatible, up to 64 LDALI-BM1 push button coupler per DALI channel with sufficient dimensioned bus supply
- The push button is supplied via the DALI channel
- Push buttons are directly connected to LDALI-BM1 (potential-free make contact)
- L-DALI or L-ROC controller required

### Specifications

Dimensions (mm)	28 x 14.2 x 41.2 (L x W x H), DIM041
Installation	flush-mounted installation, can be directly installed behind the push button/switch
Power supply	DALI bus, typ. 3.1 mA at 16 VDC
Operating conditions	0 °C to 50 °C, 10–90 % RH, non condensing, degree of protection: IP20
Interfaces	1 x DALI, protected against overvoltages (power supply) and polarized (bipolar) 4 x push button inputs with a joint connection, not protected against overvoltages, push buttons have to be installed potential free, in case of several modules the joint port (COM) should not be connected.
For use with	LDALI-3E102-U, LDALI-3E104-U, LDALI-3E101-U, LDALI-ME204-U, LDALI-ME201-U, LROC-40x

### Resource limits

Number of LDALI-BM1	64 per DALI channel, with sufficient dimensioned DALI bus power supply
Connection wires profile	0.5 – 1.5 mm <sup>2</sup> [AWG 20 – 16]
Wire stripping length	8.5 – 9.5 mm [0.32 – 0.36 in]
Line length to a pushbutton	< 50 cm

### Order number    Product description

LDALI-BM1	Quadruple DALI push button coupler
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