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1 channel DALI LED dimmer 16 A

DL-1CH-16A-DC12+



Only skilled electricians may install this electrical equipment otherwise there is the risk of fire or electric shock!

Temperature at mounting location:
-20°C up to +50°C.
Storage temperature: -25°C up to +70°C.
Relative humidity:
annual average value <75%.

1 channel DALI LED dimmer for ceiling installation. 120 x 30 x 22 mm. Protection class IP20. Only 0.12 watt standby loss.

Designed to control **constant voltage** LED modules (CV) at operating voltages of 12 V to 48 V, Sw&Dim or SwitchDim2: Operating via 1 or 2 pushbutton inputs permits brightness control without DALI; alternatively, corridor function for direct activation with a motion detector.

Dimming range 0.1%-100%. Selectable PWM frequency (122 Hz/244 Hz/488 Hz/976 Hz).

Supply voltage 12 V to 48 V DC.

Max. connected current 16 A.

High efficiency. Configuration via DALI Cockpit PC software and DALI USB interface.

Operating modes:

The output channel is controlled by a DALI address (Device Type 6). Alternatively, it can also be operated by one (Sw&Dim) or two pushbutton inputs (SwitchDim2).

SwD1, Sw&Dim:
brightness.

Press pushbutton briefly: On/Off.

Press pushbutton long: Dim.

SwD2:

Scene switch (press pushbutton briefly).

If you press the SwD1 input for 2 minutes, the mode changes to 'Corridor function'. This operating mode remains enabled until the device is disconnected from the power supply (after PowerUp: operation via SwD1/ SwD2).

Corridor function:

Mode with integrated staircase time switch (e.g. simple activation of one or several motion detectors by relay contact). When you press the input, the maximum value is switched on. After the input signal decays, the brightness remains at this value for the duration of the hold time before it drops down to the intermediate value. After the hold time for the intermediate value expires, brightness returns to the basic value. The process starts from the beginning when the input is re-activated.

The DALI Cockpit software can configure 1-channel LED dimmers. You can define both group assignment and configure scene values and DALI parameters (the parameters displayed are the as-delivered states).

As-delivered state:

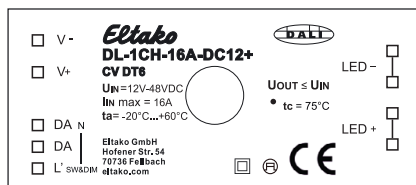
Before the first address is assigned, you can control the device using the group address G0. This preset group assignment is deleted when addresses are assigned. Afterwards, you can define any group assignment in the DALI Cockpit. The values defined in the DALI standard are generated by sending a DALI reset command.

Technical data

Max. connected current	16 A
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Plug-in terminals:

Max. conductor cross-section	2.5 mm ² , DALI 1.5 mm ²
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The crossed-out waste container indicates that batteries may not be disposed with other household or commercial waste.

Must be kept for later use!

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