

Base for DALI rotary dimmer

310-02101



This DALI rotary control is used to control DALI controlled light luminaires. The dimmer can be set to control 15 DALI groups separately or set in broadcast mode, to control all DALI controlled devices simultaneously.

This dimmer is not equipped with a built-in power supply for the DALI bus.

The rotary dimmer can also be used in combination with the Niko DALI detectors to manually dim the light.

It is possible to manually change the dimming speed (the so-called fade rate) - without the use of a PC.

This article is protected by at least one patent (or patent application). For more info on patents, see www.niko.eu/innovation.



Technical data

Base for DALI rotary dimmer.

- Function: DALI flush-mounting dimmer with push button control for loads controlled by the DALI protocol. Activate by pressing the button and adjust by rotating the knob. Activate at maximum level by turning right from the off setting and switch on at minimum level by turning left from the off setting
- Protection degree: IP41 for the combination of a mechanism, central plate and faceplate
- Impact resistance: the combination of a mechanism, a central plate and a faceplate has an impact-resistance of IK06
- Flush-mounting frame type:
 - 1 mm-thick metal
 - galvanized on all sides after cutting, even on the cut edges
 - with 4 grooves with screw hole of 7 mm
 - with 4 screw holes (indicated by a screw symbol) with a diameter of 3 mm for mounting on panels
- Material flush-mounting frame: metal
- Type of fastening:
 - with claws that can be rotated open using screws with a slotted screw head (slot 0.8 x 5 mm), for mounting in a flush-mounting box with grip

- surfaces
 - depth of engagement of claws: 31 mm
 - claws turn back completely when loosened
- Centre-to-centre distance:
 - simple and quick assembly of one or more mechanisms by the indication (chalk line, laser, etc.) of the centre of the flush-mounting frame
 - vertical coupling centre-to-centre distance 60 mm by sliding several bases into each other, they lock themselves automatically
 - vertical coupling centre-to-centre distance 71 mm using pre-formed lips at the bottom, by folding the lips downwards over a length of 1 mm, the bases support each other and the centre-to-centre distance is guaranteed.
 - horizontal connection of multiple bases is quick and perfect thanks to the folded-up dovetails on the left and right sides
 - extra robustness due to the folded-up edges on the outside of the base and the continuation into the inside of the base
- Base end border: the flush-mounting frame is equipped, both on the top and the bottom, with a dark grey, plastic end border. This border is made of PC+ASA and is joined to the flush-mounting frame using a melting process. The corners of the two end borders are equipped with rectangular openings (7.9 x 1.5 mm) each containing a multi-positional snap hook. Thanks to the snap hooks, the 4 rectangular openings ensure that the faceplate can always be attached flat to the wall, even in cases of untidy plasterwork. This works in two directions: If the flush-mounting box sticks out of the plasterwork, the multi-positional snap hooks can compensate for a 1 to 1.2 mm margin; if the flush-mounting box is sunk too deeply in the plasterwork, the snap hooks can compensate for up to a 1.8 mm margin. The end borders also have 4 round openings that ensure the correct positioning of the faceplate in relation to the central plate
- Input voltage: 30 Vdc via DALI-bus
- Terminal wire connection: screw terminals
- Terminals wire capacity: 2 x 2.5 mm²
- Minimum ambient temperature: 5 °C
- Maximum ambient temperature: 40 °C
- Dimensions (HxWxD): 71 mm x 73 mm

Wiring diagram

