

# Base for flush-mounting push button dimmer 2 – 100 W, 3 wire

**310-02800**

**4** year warranty

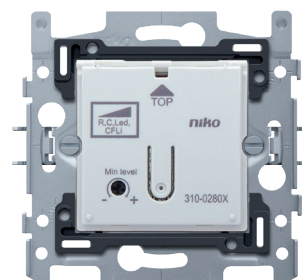
Base for a universal push button dimmer with a capacity of 2 – 100 W. A finishing set XXX-31002 in a colour of your choice should be ordered separately.

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

## Technical data

Base for flush-mounting push button dimmer 2 – 100 W, 3 wire.

- Function: This flush-mounted dimmer with trailing edge is suitable for dimmable Philips © LED fixtures (Ledino), incandescent lamps, dimmable economy lamps, 230 V halogen lamps and electronic transformers. Maximum 30 control points with N.O. push buttons in parallel. Connection of the push buttons in various configurations is possible. A brief press of the button switches the light on or off. A longer press controls the dimmer. Pressing again reverses the dimming direction. Can be used in single-pole, two-way or intermediate circuits. Use with or without memory can be set using the push button input. Minimum dimming level can be set for an optimum dimming range and the avoidance of the flickering or extinguishing of lamps at the minimum dimming level. Non-volatile memory. For use with or without light value memory
- Minimum load: 2 W
- Maximum load electronic transformer: 100 VA
- Maximum load economy lamps (CFLi): 100 W
- Maximum load Philips LED light fittings: 100 W
- Protection from overload: thermal overload protection with automatic reset function
- Short circuit proof: electronic short-circuit protection
- Capacity reduction: at an ambient temperature above 35°C the maximum load will decrease by 5 % per 5 °C
- Flush-mounting frame
  - 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
- Fixing method
  - 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
- Wire connection
  - the sockets are equipped with screw terminals for clamping the wires.
- Centre-to-centre distance
  - Simple and quick assembly of one or more mechanisms by the indication (chalk line, laser, etc.) of the



**niko**

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
- 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: 230 Vac  $\pm$  10 %, 50 Hz
- Maximum MCB rating: 16 A (limited by national installation rules)
- Connection terminals: 6 connection terminals
- Ambient temperature: -5 – +40 °C
- Impact resistance: The combination of a mechanism, a central plate and a faceplate has an impact resistance of IK06
- Dimensions (HxWxD): 71 x 73 mm
- Marking: CE

