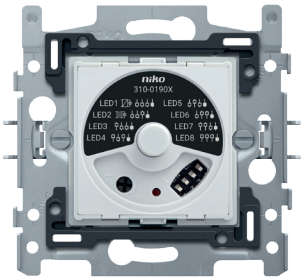
Base for universal rotary dimmer with PLC interference suppression, 5 - 325 W, 3 wire

310-01900

4 year warranty

Base for a universal rotary dimmer with powerline communication interference suppression with a capacity of 5 to 325 W. A finishing set XXX-31003 and faceplate in a colour of your choice should be ordered separately.



Technical data

Base for universal rotary dimmer with PLC interference suppression, 5 - 325 W, 3 wire.

- Function: Universal flush-mounting dimmer with rotary button control for capacitive, inductive and resistive loads, including dimmable LED and economy lamps. Reverse phase control for resistive and capacitive loads. Phase control for inductive loads. Activate by pressing on the button and adjust by rotating the knob. The dimmer can be installed instead of single-pole switches. In addition, the dimmer can be used in a circuit with more than one control point (in replacement of a two-way or intermediate switching), in combination with (a maximum of 5) rotary button extensions (310-0200X). For use with or without light value memory
- Minimum load: 5 W/20 VA
- Maximum load 230V-halogen lamps: 325 W
- Maximum load electronic transformer: 325 VA
- Maximum load ferromagnetic transformer: 325 VA
- Maximum load bulb: 325 W
- Maximum load LED lamps: 200 W (lamp type determines the maximum number of lamps)
- Maximum load toroidal core transformer: 325 VA
- Maximum load economy lamps (CFLi): 200 W (lamp type determines the maximum number of lamps)
- Hum-free: yes
- PLC interference suppression: this dimmer is equipped with interference suppression of PLC signals (frequency dips up to 3 Hz). This integrated interference suppression attempts to remove as many interfering signals as possible from the mains in order for most lamps to function optimally, without flashing or humming.
- Protection from overload: thermal overload protection. Protection against repetitive overload. Automatic reset function of the protections.
- 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 vox 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.
- Wire capacity
  - 2 x 2.5 mm^2 per connection terminal
- 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
- 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 ± 10 %, 50 Hz
- Connection terminals: 4 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
- Flush-mounting depth: 40 mm minimum depth of the flush-mounting box
- Marking: CE

