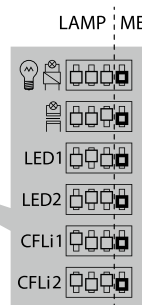
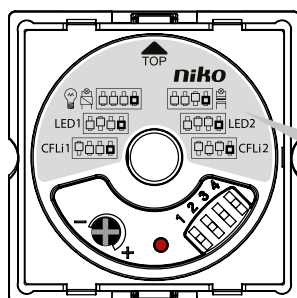


Technical data sheet

310-0190X - Universal flush-mounting rotary dimmer with PLC interference suppression, 5-325 W

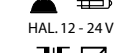


4 year warranty

CE

R_LC

LED
CFLi

Loads	type of lamp					
			 HAL. 230 V	 HAL. 12 - 24 V	 dimmable CFLi (max. 10)	 dimmable LED lamp (max. 10)
	max.	325 W	325 W	325 W	200 W	200 W
	min.	5 W	5 W	20 W	5 W	5 W
Power supply voltage	230 Vac $\pm$ 10%, 50 Hz					
Mounting	flush-mounting box with flush-mounting depth of min. 40 mm					
Command	rotary button					
No-load power consumption	< 0.5 W					
Max. housing temperature (T _c)	90°C					
Max. wire diameter per connection terminal	2 x 2.5 mm ²					
Min. load	5 W					
Protection	protected against thermal overload and short-circuit					
Max. distance between dimmer and rotary button extension(s) (310-0200x)	75 m					
Weight	70 g					
Lamp-specific dimmer curve	adjustable (DIP switches)					
Min. dimming level	adjustable					
Standards	EN60669-2-1					
Pack	1					
Extension	rotary button extension (310-0200x) Up to five extra rotary button extensions can be connected to this dimmer.					
Finishing (or central plate)	1xx-31003					

niko

Universal push-button dimmer with PLC interference suppression, 3 – 300 W, 2-wire



Base 310-02900

Dimmer for incandescent lamps, 230 V halogen lamps, all low-voltage halogen lamps and dimmable LED lamps. Connected with 2-wire system.

The flush-mounting frame has internal dimensions of 45 x 45mm, centre-to-centre distance of 60 x 71 mm and is equipped with claw fixings.

Finishing set XXX-31002

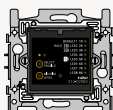
Finishing set for electronic switch or push button. Available in any Niko finishing colours.

Flush surround plate

Can be combined with all single or multiple Niko flush surround plates from the Original, Intense and Pure series.

Base

310-02900



Base for universal push-button dimmer plus, 3-300 W, with claw fixing

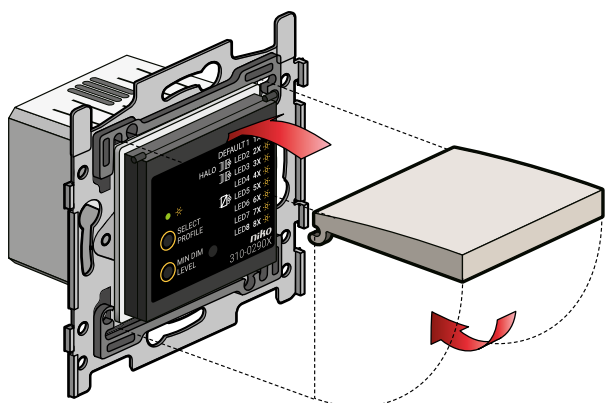
Centraalplaat

100-31002			Cream
101-31002			White
102-31002			Light grey
104-31002			Greige
121-31002			Sterling
122-31002			Anthracite
123-31002			Bronze
124-31002			Dark brown
154-31002			White coated
157-31002			Champagne coated
161-31002			Black coated
200-31002			Bakelite® piano black coated
220-31002			Alu steel grey coated
221-31002			Alu gold coated

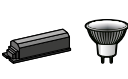
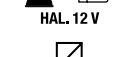
Technical data

Power supply voltage	230 Vac $\pm$ 10 %, 50 Hz
Control	push button
Minimum load	3 W
Maximum load	300 W
Maximum load LED lamps	200 W - dimmable LED lamps (max. 10)
Light value memory	Yes
Expansion control points	N.O. push buttons, also in case of the replacement of single-pole, two-way or intermediate switching
Safety protections	overload protection with automatic reset function electronic short-circuit protection
Interference suppression	CAB interference suppression
Power consumption standby	0,15 W
Connection terminals	2 x 2,5 mm ²
Ambient temperature	+ 35 °C
Marking	CE-gemarkerd

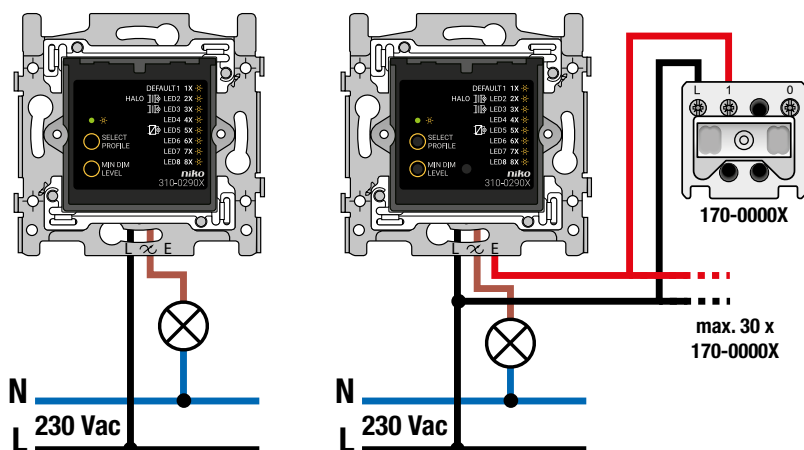
Mounting



Loads

Lamp				
		 HAL. 230 V	 HAL. 12 V	dimable LED lamp (max. 10)
Max.	300 W	300 W	300 W	200 W
Min.	3 W	20 W	20 W	3 W

Wiring diagram



Niko nv

Industriepark West 40

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Illuminating ideas.

Universal rotary dimmer with powerline communication interference suppression, 3 - 300 W, 2-wired



Base 310-03900 / 310-03901

Dimmer for incandescent lamps, 230 V halogen lamps, all low-voltage halogen lamps and dimmable LED lamps. Connected with 2-wire system.

The flush-mounting frame has internal dimensions of 45 x 45mm, a centre-to-centre distance of 60 x 71 mm and is equipped with claw fixing (310-03900) or for screw fixing (310-03901).

Finishing set XXX-31003

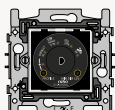
Finishing set for this rotary dimmer. Available in any Niko finishing colours.

Flush surround plate

Can be combined with all single or multiple Niko flush surround plates from the Original, Intense and Pure series.

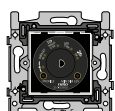
Base

310-03900



Base for universal rotary dimmer 3 - 300 W, with claw fixing

310-03901



Base for universal rotary dimmer 3 - 300 W, for screw fixing

Central plate

100-31003

101-31003

102-31003

104-31003

121-31003

122-31003

123-31003

124-31003

154-31003

157-31003

161-31003

200-31003

220-31003

221-31003



Cream

White

Light grey

Greige

Sterling

Anthracite

Bronze

Dark brown

White coated

Champagne coated

Black coated

Bakelite® piano black coated

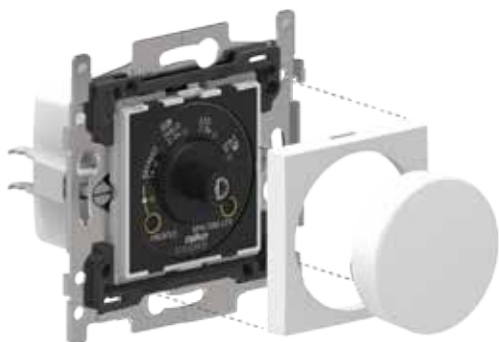
Alu steel grey coated

Alu gold coated

Technical data

Power supply voltage	230 V AC $\pm$ 10%, 50 Hz
Control	Rotary dimmer
Minimum load	3 W
Maximum load	300 W
Maximum load LED lamps	200 W - dimmable LED lamps (max. 10)
Light value memory	yes
Expansion control points	N.O. push buttons, also in case of the replacement of single-pole, two-way or intermediate switching
Safety protections	overload protection with automatic reset function electronic short-circuit protection
Interference suppression	PLC interference suppression
Power consumption standby	0.15 W
Connection terminals	2 x 2,5 mm ²
Ambient temperature	35 °C
Marking	CE marked

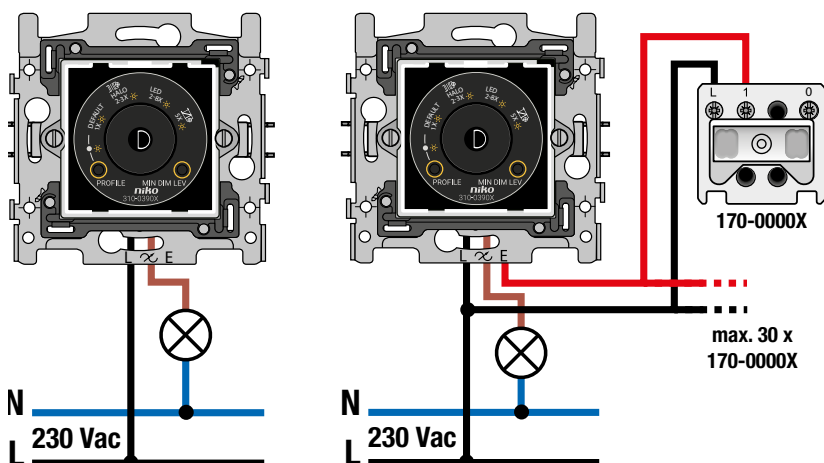
Mounting



Loads

Lamp				
		 HAL. 230 V	 HAL. 12 V	dimmable LED lamp (max. 10)
Max.	300 W	300 W	300 W	200 W
Min.	3 W	20 W	20 W	3 W

Wiring diagram



Niko nv

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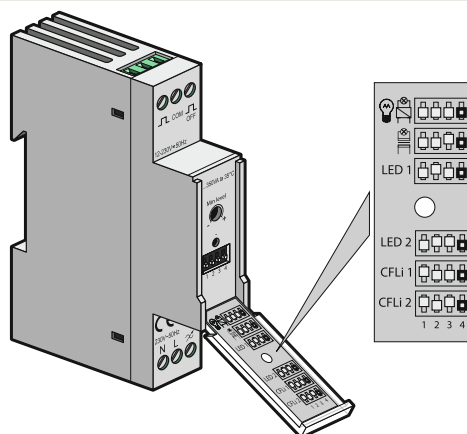
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Illuminating ideas.

Technical data sheet

330-00700 - New universal dimmer 5 W to 350 W



4 year warranty



Reverse phase control

Phase control

Reverse phase control

Phase control

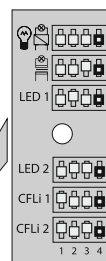
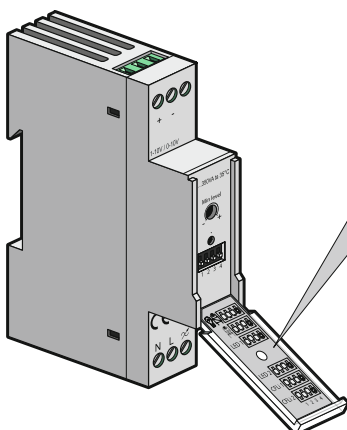
Loads

Lamp					
					
Max.	350 W	350 W	350 W	200 W	200 W
Min.	5 W	5 W	20 W	5 W	5 W
Power supply voltage	230 Vac $\pm$ 10%, frequency 50 Hz				
Mounting	DIN rail (1 TU)				
Control	NO or potential-free (8 – 24 V)				
Own consumption	$\pm$ 0.6 W				
Max. temperature of housing (T _c)	90°C				
Max. wire diameter per connection terminal	2.5 mm ²				
Power supply and load	2 x 1.5 mm ² or 1 x 2.5 mm ²				
Input	2 x 1.5 mm ² or 1 x 2.5 mm ²				
Min. load	5 W				
Protection	Protection against thermal overload and short-circuit				
Push buttons	230 Vac; 5 mA (not galvanically isolated) or 8 – 24 Vdc (variable voltage)				
Ambient temperature	-5°C – + 55°C				
Max. distance to the last push button	100 m				
Weight	70 g				
Lamp-specific dimmer curve	Adjustable (DIP switches)				
Min. dimming level	Adjustable				
Extra functions	All off – staircase function – light value memory				
Standards	EN60669-2-1				
Packaging	1				

niko

Technical data sheet

330-00701 - New universal dimmer 5 W to 350 W: analogue



4 year warranty



Loads	Lamp					
			 HAL.230 V	 HAL.12 - 24 V	 CFLi dimmable (10 units)	 LED dimmable (10 units)
	Max.	350 W	350 W	350 W	200 W	200 W
	Min.	5 W	5 W	20 W	5 W	5 W
Power supply voltage	230 Vac $\pm$ 10%, frequency 50 Hz					
Mounting	DIN rail (1 TU)					
Control	0 – 10 V voltage control I – 10 V current control					
Own consumption	$\pm$ 0.6 W					
Max. temperature of housing (T _c)	90°C					
Max. wire diameter per connection terminal	2.5 mm ²					
Power supply and load	2 x 1.5 mm ² or 1 x 2.5 mm ²					
Input	2 x 1.5 mm ² or 1 x 2.5 mm ²					
Min. load	5 W					
Protection	Protection against thermal overload and short-circuit					
Ambient temperature	-5°C – + 55°C					
Input impedance	0 – 10 V: 33 k Ω I – 10 V: 22 k Ω					
Max. distance to the last push button	100 m					
Weight	70 g					
Lamp-specific dimmer curve	Adjustable (DIP switches)					
Min. dimming level	Adjustable					
Standards	EN60669-2-1					
Packaging	1					

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