

Dim light-sources of the future...

... with the universal push-buttondimmer UD100

adapted for

LED

- Excellent combination *
- Starts at 1W
- Universal
- Round box design
- Art.nr. V-4010020IB



***)**

Score received at tests of combinations of UD100 and the market's dimmable low-power lamps. See test results on the last page.

Please contact us with requests for testing UD100 with light-sources that are not represented in the tests.



Push-button dimming



Push-button dimming means quick and easy lighting control with the ability to control the same device from different places.

The dimmer will fit in common standard wallboxes behind the push-button, making it easy to install.

Dimmable CFLs



For dimmable CFLs CFL (Compact Fluorescent Lamps) and CCFL (Cold Cathode Fluorescent Lamps) from 1W up to 100 W.

See test results of UD100 in combination with dimmable CFLs on the last page.

230V
E14
E27
GU10

Dimmable CFLs

Dimmable 230V LED-lamps



For dimmable 230V LED-lamps from 1W up to 100 W.

See test results of UD100 in combination with dimmable 230V LED lamps on the last page.

230V
E27
E14
GU10

Dimmable LED-lamps

Dimmable LED-drivers



For dimmable LED-drivers for trailing- edge dimming from 1W up to 100 W.

12/24Vdc
350/500/700mA

Halogenlamps



230V
GU10



12Vac
GU5,3



12Vac

For 230V halogenlamps (GU10) from 1W up to 100 W.

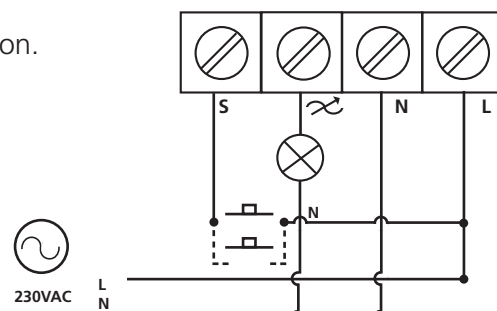
For 12V halogenlamps (GU5, 3) over electronic transformers for trailing edge dimming up to 100 W.

UD100

Properties

The Low-power dimmer UD100 is controlled by one or more push-button one-pole switches (toggle switches).

- Starts at 1W!
- Can be mounted in the wall box behind the push-button
- Can be mounted using the mounting brackets
- Used for dimmable LEDs from 1W up to 100 W (E27, E14, GU10)
- Used for dimmable CFLs and CCFLs from 1W up to 100 W (E27, E14, GU10)
- Used for 230 V halogen-lamps up to 100 W
- Used for dimmable LED-drivers from 1W up to 100 W
- Used for low voltage halogenlamps up to 100 W over electronic transformers for trailing-edge control
- Used for incandescent lamps up to 200 W
- Has adjustable minimum dimming level, which is handy when different loads of low-power lamps are connected.
- Has memory function and retains the last-set light level when turned off/on. Also applies when the dimmer has been deenergized.
- Can be dimmed with several parallel push-buttons
- With soft start
- With thermal overload
- Several UD100 can not be controlled by the same push-button
- Push button with signal lamp must not be used



Function

On / Off - A short press. The dimmer will start with the last used light level (memory function)

Dimming up / down - Keep the button pressed until the desired level is reached.

Adjustable minimum dimming level

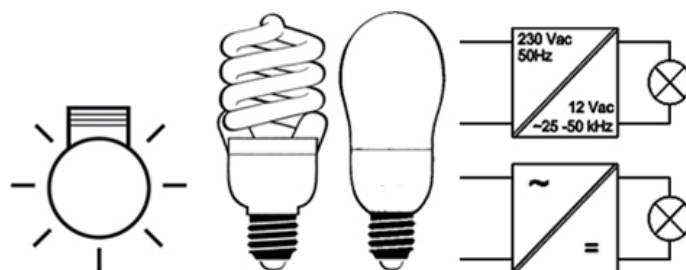
The minimum dimming level is set using a screwdriver. Adjust the level by turning the rotary potentiometer with a screwdriver. Dim then up and down in order to study the results.

Change the potentiometer position again if necessary. Keep in mind that CFLs & LEDs consume less power than incandescent & halogen, therefore, the lowest dimming level is different.

Technical data

Art-number	V-4010020IB
Voltage	230 V +/-10% 50 Hz
Max current	0,96 A
Minimum load	1W (el. transformer: see its min. load)
Maximum load	100 W
Protection class	IP20 (indoor)
Size	Ø54x20 (mm)

Types of load



Rev 100604



For incandescent and halogen lamps

For dimmable CFLs and LEDs with E14, E27 and GU10 base

For dimmable electronic transformers and LED drivers

LIGHT-KEY

for dimmable low-power lamps and UD100

Save time and money with the right proven combination of:

Dimmers



Drivers









Dimmable Light Sources



Rating Explanation:

- 5) Excellent combination
- 4) The light source is dimmed in a good way
- 3) The light source is dimmed.
Flicker / hum may appear in the bottom position
- 2) The light source is dimmed.
Flicker / hum may appear in different positions
- 1) See 2) Too short-ranged dimming
- 0) Improper combination

	Effects	Mark	EAN-nr	Rate
	3W	Philips	8727900934564	5
	4W	Philips	8718291119012	5
	6W	Philips	8727900853537	5
	7W	Philips	8727900860351	5
	7W	Philips	8718291155010	5
	7W	Philips	8718291155072	5
	8W	Philips	8727900900484	5
	12W	Philips	8727900934489	5
	12W	Philips	8718291119272	4,3
	18W	Philips	8718291119296	4,3

NOTE!
Depending on the brand, the LED and low-energy light bulbs consume up to twice the rated power (reactive power).

	Effects	Mark	EAN-nr	Rate
	8W	Osram	4008321980144	4,8
	10W	Osram	4008321980182	4,8
	12W	Osram	4008321965165	5
	4W	Verbatim	002394252003	5
	6,5W	Verbatim	023942520252	5
	8W	Verbatim	0023942520061	3,7
	9W	Verbatim	023942520191	2
	5W	GE	43168652537	5
	6,5W	GE	43168652568	5
	9W	GE	43168793268	5

We reserve the right to make technical changes.