GB CE

61 100 831 - **1**

Eltako

Universal dimmer switch
EUD61NPS-400W

Only skilled electricians may install this electrical equipment otherwise there is the risk of fire or electric shock!

Temperature at mounting location:
-20°C up to +50°C.
Storage temperature: -25°C up to +70°C.
Relative humidity:
annual average value <75%.

Without N connection, POWER MOSFET 400 W. Standby loss 0.5 watt only. With control inputs for pushbutton light switches and light switches.

For installation.
45 mm long, 45 mm wide, 18 mm deep.

Universal dimmer switch for R, L and C loads up to 400 watt, depending on ventilation conditions.
Automatic detection of load R+L or R+C.

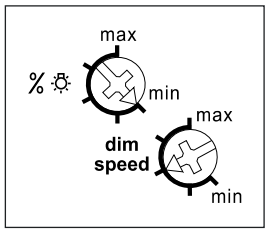
Compliance with EN 61000-6-3:2007 (EMC standard for residential areas, commercial and light-industrial environments) up to 400 W.

Energy saving lamps ESL and LED lamps cannot be controlled by the dimmer type EUD61NPS-400W (without N-connection).

Control voltage 230 V. Min. load 20 W only.

Zero passage switching with soft start and soft OFF to protect lamps.

Function rotary switches



The minimum brightness level (completely dimmed down) can be adjusted **with the rotary switch %☼.**

The dimming speed can be adjusted **with the dimming speed rotary switch.** Simultaneously the soft on and soft off period is changed.

Short-time control commands switch on/off, permanent control varies the brightness up to the maximum level.

An interruption of control changes the direction of dimming.

The brightness level is stored after switching off.

In case of a power failure the switching position and the brightness level are stored. If applicable the dimmer will be switched on at the stored brightness level after the supply voltage is recovered.

Automatic electronic overload protection and over-temperature switch-off.

If light switches cannot be replaced by push-button light switches, there is a separate control input for light switches. If the switch is opened briefly after closing, the light is dimmed until the next time it is opened again briefly. The dimming direction changes automatically at both peaks. The dimming direction can also be changed by opening the switch briefly twice.

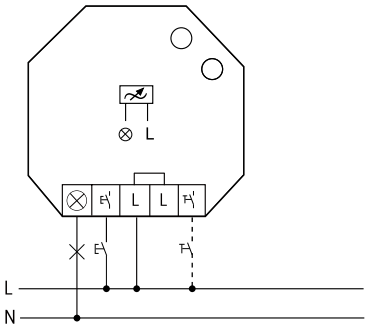
Switching operation for children's rooms (only if controlled by pushbutton light switch): If the light is switched on by holding down the pushbutton, it starts at the lowest brightness level after approx. 1 second without modifying the last stored brightness level.

Snooze function (only if controlled by push-button light switch): With a double impulse the lighting is dimmed down from the current dimming position to the minimum brightness level and switched off. The current dimming position as well as the adjustable minimum brightness level determine the dimming time (max.=60 minutes) which can be reduced as required. It can be switched off at any time by short-time control commands during the lighting is dimmed down. Holding down the pushbutton during the dimming down process dims up and stops the snooze function.

Without N connection, therefore suitable for mounting directly behind the pushbutton light switch or light switch, even if no N wire is available.

Mixing of L loads (inductive loads, e.g. wound transformers) and C loads (capacitive loads, e.g. electronic transformers) is not permitted. R loads (ohmic loads, e.g. 230 V incandescent lamps and halogen lamps) may be added anytime.

Typical connection



Control by pushbutton switches or lightswitch.

Technical data

Incandescent and halogen lamps 230 V (R)	up to 400 W [1]
Inductive transformers (L)	up to 400 W [1][2]
Electronic transformers (C)	up to 400 W [1][2]
Max./min. temperature at mounting location	+50°C/-20°C [3]
Standby loss (activ power)	0.5 W

[1] The switching capacity depends on the ventilation conditions.

[2] Per dimmer it is only allowed to use max. 2 inductive (wound) transformers of the same type, furthermore no-load operation on the secondary part is not permitted. The dimmer might be destroyed. Therefore do not permit load breaking on the secondary part.

[3] Affects the max. switching capacity.

Manuals and documents in further languages:

https://eltako.com/redirect/EUD61NPS-400W

Must be kept for later use!

ELTAKO GmbH
D-70736 Fellbach
Technical Support English:
☎ +49 711 943 500 25
✉ technical-support@eltako.de
eltako.com

09/2024 Subject to change without notice.