GB

Eltako ELECTRONICS

Universal dimmer switch CE

EUD12NP-8..230V UC

Dimmer for R-, L- and C-loads.
Switching capacity 500W.

Universal voltage control input from 8 to 230V UC, electrically isolated from the supply voltage and switching voltage 230V.

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

A short interruption of control changes the direction of dimming. The setting of the brightness level is stored after switching off.

In case of a power failure the system is disconnected in a defined mode.

From 110V control voltage glow lamp current up to 5mA.

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

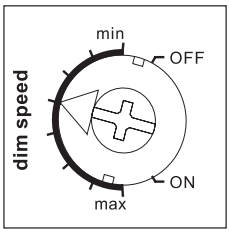
Mixing of L-loads (inductive loads, e.g. wounded transformers) and C-loads (capacitive loads, e.g. electronic transformers is not permitted. R-loads (ohmic loads, e.g. incandescent lamps and halogen lamps 230V) may be added anytime.

Special switching operation for children's rooms: If the light is switched on by holding down the push-button, it starts at the lowest brightness level after approx. 1 second without modifying the last stored brightness level.

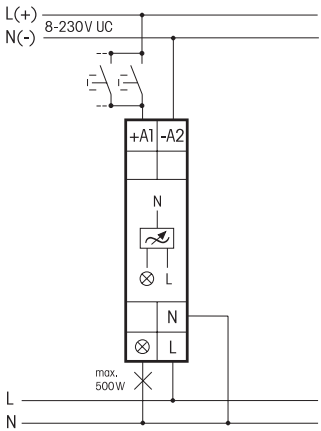
Snooze function: With a double impulse the lighting will be dimmed down from the current dimming position and switched off. The current dimming position determines the dimming time (max.=60 minutes) which can be reduced accordingly. The dimming process can be stopped anytime by a new operation of the push-button.

With a rotary switch on the front the dimm speed can be adjusted. The duration of soft start and soft OFF will be changed simultaneously.

Function rotary switch



Typical connection



Technical data

Incandescent and halogen lamps 230V	up to 500W [1]
Inductive transformers (L)	up to 500W [1] [2]
Electronic transformers (C)	up to 500W [1]
Standby loss (activ power)	0,1W

[1] At a load of more than 300W ventilation clearance of 1/2 module to adjacent devices must be maintained.

[2] Per dimmer or capacity enhancer 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. Operation in parallel of inductive (wound) and capacitive (electronic) transformers is not permitted!

The strain relief clamps of the terminals must be closed, that means the screws must be tightened for testing the function of the device. The terminals are open ex works.

Warning!

Only a trained electrician may install this equipment, otherwise there is a risk of fire or electric shock.