GB

Eltako ELECTRONICS

Universal dimmer switch CE
EUD61NP-8..230V UC

Power MOSFET 500W. Standby loss 0.1 watt only.

For installation and surface mounting. 45mm long, 55mm wide, 18mm deep.

Universal-Dimmer for R-, L- and C-loads. Automatic detection of load R+L or R+C.

Switching capacity up to 500W depends on the ventilation conditions.

Universal control voltage 8 to 230V UC.

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

Short-time control commands switch on/off, permanent control varies the brightness up to the maximum level. A interruption of control changes the direction of dimming.

The brightness level is stored after switching off.

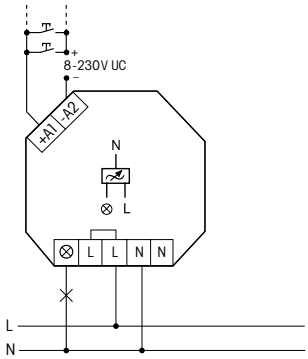
The system is disconnected in a definite sequence in case of a power failure.

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

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 is dimmed down from the current dimming position and finally switched off. The current dimming position determines 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 push-button during the dimming down process dims up and stops the snooze function.

Typical connection



N and L have always to be connected.

Tecnical data

Incandescent and halogen lamps 230V (R)	up to 500W [1]
Inductive transformers (L)	up to 500W [1)2)3)]
Electronic transformers (C)	up to 500W [1)2)3)]
Max./min. temperature at mounting location	+50°C/-20°C [4]
Control voltage range	0.9 to 1.1 x rated voltage
Standby loss (activ power)	0.1W

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. Operation in parallel of inductive (wound) and capacitive (electronic) transformers is not permitted!

3) **When calculating the load a loss of 20% for inductive (wound) transformers and a loss of 5% for capacitive (electronic) transformers must be considered in addition to the lamp load.**

4) Affects the max. switching capacity.

Warning!

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