

Universal dimmer switch CE

EUD12Z-8..230V UC

The dimmer switch for R, L and C loads up to 500W. Up to 3600W with capacity enhancers LUD12-230V at the terminals X1 and X2. Universal voltage control input from 8 to 230V UC and additionally universal voltage control inputs 8 to 230V UC central ON and central OFF. The control inputs are electrically isolated from the supply voltage and switching voltage.

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.

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

Glow lamp current 5mA starting at 110V (not for priorities 4 and 8).

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

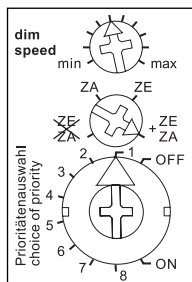
A local or central command will be indicated by a LED which is behind the upper rotary switch on the front of the device. If a local command is given it starts flickering after 15 sec. to indicate a possibly blocked control push-button.

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 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. The dimming process can be stopped anytime by a new operation of the push-button.

Function rotary switches



With the upper rotary switch the dimm speed can be adjusted.

Contemporaneously the duration of soft On and soft Off will be changed.

With the middle rotary switch this dimmer switch can be operated completely or partially as central control device:

- ZE+ZA = central ON and central OFF activ
 ZE = only central ON activ
 ZA = only central OFF activ
 ZE+ZA = no central control activ

With the lower rotary switch several priorities can be adjusted. These determine which other control inputs are blocked as long as another control input is excited permanently.

Furthermore, here it will be decided if the switch position should be kept or not after a power failure:

In positions 1 to 4 of the rotary switch the switch position will be kept unchanged, in positions 5 to 8 it will be switched off. If central commands are activated they will be realised immediately hereafter.

OFF: Permanent OFF

Positions 1 and 5: No priority. Also if central control inputs are excited permanently, operation by local push-button can be realised. The last central command will be carried out. This is the setting ex works.

Positions 2 and 6: Priority for central ON and OFF. Local pressing of the pushbutton is ineffective.

However, central OFF has priority over central ON.

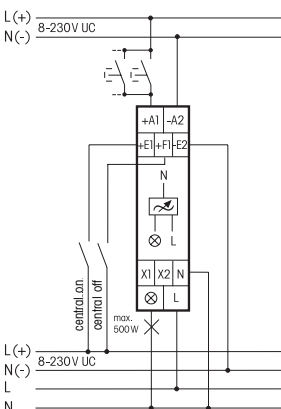
Positions 3 and 7: Priority for central ON and OFF. Local pressing of the pushbutton is ineffective.

However, central ON has priority over central OFF.

Positions 4 and 8: Priority for permanently excited local push-button. Central commands will not be carried out. In these positions a glow lamp current is not permitted.

ON: Permanent ON

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)	0,1 W

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.