

Multifunction universal dimmer switch EUD61M-8..230V UC



Power MOSFET 500W.

Standby loss 0.1 watt only.

Built-in device for installation and surface mounting. 45 mm long, 55 mm wide, 18 mm 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.

The minimum brightness level (completely dimmed down) can be adjusted **with the rotary switch** %:⚙ e.g. for dimmable energy saving lamps.

The function rotary switch selects 5 different functions.

Zero passage switching and adjustable softstart for the functions "memory+soft on", "on max + soft on" and ESV to protect the connected lamps.

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

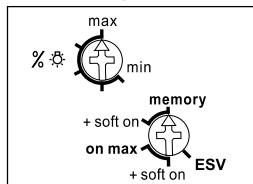
A interruption of control changes the direction of dimming. The brightness level is stored after switching off in case the **function memory** is set.

If the **function on max** is set, it always switches on at the maximum brightness level.

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

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

Function rotary switches



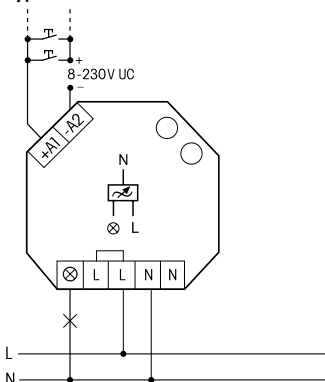
Setting of function ESV same as

"memory+soft on" with setting of a release delay up to 90 minutes with the rotary switch %:⚙ if the manual off command is not given. Before time-out switch-off early warning function by dimming down within 1 minute.

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 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 push-button during the dimming down process dims up and stops the snooze function.

Typical connection



Technical data

Incandescent and halogen lamps 230 V (R-loads)	up to 500W ¹⁾
Inductive transformer (L)	up to 500W ^{1) 2) 3)}
Electronic transformer (C)	up to 500W ^{1) 2) 3)}
Max. min temperature at mounting location	+50 °C/-20 °C ⁴⁾
Standby loss (activ power)	0.1 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. 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.