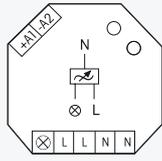


EUD61NPN-UC



Universal dimmer switch. Power MOSFET up to 400W. Automatic lamp detection. Standby loss 0.1 watt only. With adjustable minimum brightness or dimming speed. With switching operation for children's rooms and snooze function.

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

Universal dimmer switch for lamps up to 400 watts, depending on ventilation conditions. Dimmable energy saving lamps ESL and dimmable 230V LED lamps dependent on the lamps electronics.

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

Universal control voltage input 8 to 230V UC, electrically isolated from the 230V supply voltage and switching voltage. No minimum load required.

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

The setting of the brightness level is stored after switching off (Memory).

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.

With the top rotary switch %/dim speed either the minimum brightness level (completely dimmed down) or the dim speed can be adjusted. The duration of soft-on and soft-off will be changed with the dimming speed.

In operation, **the bottom rotary switch** determines, whether automatic lamp detection or special comfort positions should operate:

AUTO allows the dimming of all lamp types.

EC1 is a comfort position for energy saving lamps which must be switched on with increased power dependent on the construction, so they will also switch on again safely in cold condition when dimmed down.

EC2 is a comfort position for energy saving lamps which will not be switched on again when dimmed down dependent on the construction. Memory is switched off in this position.

LC1 is a comfort position for LED lamps which are not being dimmed down enough when set to AUTO (trailing phase angle) dependent on the construction and must therefore be forced to leading phase angle.

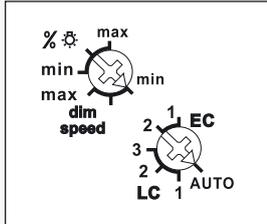
LC2 and **LC3** are comfort positions for LED lamps like LC1, but with different dimming curves. In positions EC1, EC2, LC1, LC2 and LC3 no inductive (wound) transformers should be used. In addition, the maximum number of dimmable LED lamps can be lower than in the AUTO position dependent on the construction.

With special switching operation for children's rooms: If the light is switched on by holding down the pushbutton, it starts at the lowest brightness level after approx. 1 second and dims up slowly as long as the pushbutton is held down 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 pushbutton during the dimming down process dims up and stops the snooze function.

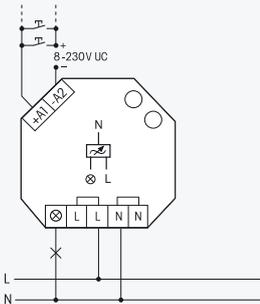
Mixing of L loads (inductive loads, e.g. wound transformers) and C loads (capacitive loads, e.g. electronic transformers) is not permitted. R loads (ohmic loads, e.g. 230V incandescent lamps and halogen lamps) may be added anytime.

Function rotary switches



Standard setting ex works.

Typical connection



Technical data page 9-27.