

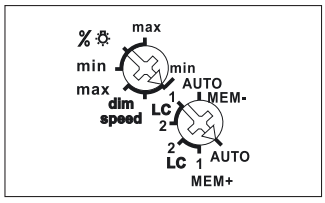
EUD61NPN-UC

Universal dimmer switch. Power MOSFET up to 400 W. Automatic lamp detection. Standby loss 0.2 watt only. With adjustable minimum brightness or dimming speed. With switching operation for children's rooms and snooze function.

For installation. 45 mm long, 45 mm wide, 18 mm deep.
Universal dimmer switch for lamps up to 400 watts, depending on ventilation conditions. Dimmable 230 V LED lamps and dimmable energy saving lamps ESL dependent on the lamps electronics and the dimming technology, **see Technical data page 9-22.**
Switching with soft start and soft OFF to protect lamps.
Universal control voltage input 8 to 230 V UC, electrically isolated from the 230 V ~ 50/60 Hz 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.
The lower rotary switch determines in operation whether the automatic lamp detection 'AUTO' should act, or one of the special Comfort settings LC1 or LC2.
If the **MEM+** setting range is selected, the **memory function** is active and the last brightness level set is saved when the device is switched off. If the setting range **MEM-** is selected, the memory function is switched off and it is always switched on with maximum brightness. Dimmable energy-saving lamps must be operated on AUTO and MEM-.
AUTO allows the dimming of all lamp types.
LC1 is a comfort position for dimmable 230 V 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 like LC1, but with different dimming curves.
In positions LC1 and LC2 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.

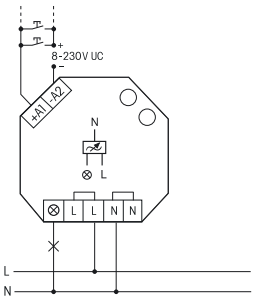
Mixing of L loads (inductive loads, e.g. wound transformers) and C loads (capacitive loads, e.g. electronic transformers) is not permitted. R loads (ohmic loads, e.g. 230 V incandescent lamps and halogen lamps) may be added anytime.

Function rotary switches



Standard setting ex works.

Typical connection



Manuals and documents in further languages:
https://eltako.com/redirect/EUD61NPN-UC

Technical data page 9-22.

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