

## LED dimmer switch ELD61/12-36V DC

Power MOSFET for LED lamps 12-36V DC up to 4 A, pulse width modulation PWM.

Stand-by 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, 55mm wide, 18mm deep.

Dimmer switch for R- and LED loads up to 4 A depending on ventilation conditions.

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

Control voltage input 12 to 36V DC, depending on the connected LED illumination.

A pulse resistant switching power supply unit is necessary.

**Universal control voltage 8..230V UC**, electrically isolated from the supply voltage.

Either direction pushbuttons can be connected to ▲▼ or these terminals will be bridged and a pushbutton will be connected as an universal pushbutton.

With universal pushbutton: short commands switch on/off, permanent control changes the brightness to the maximum. An interruption of the control changes the dimming direction.

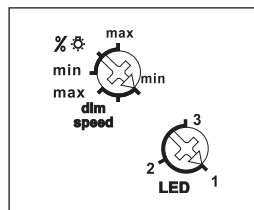
With direction pushbutton: switching and dimming on with ▲, turning and dimming off with ▼. A dual pulse with ▲ effects dimming on up to the maximum brightness with the set dimming speed (dimspeed).

The set brightness level will be stored when turning off (Memory).

In case of power failure the switching position and the brightness level will be stored and will be switched on when supply voltage recurs.

Automatic electronic overload protection and overtemperature switch off.

### Function rotary switches



**With the top rotary switch %⚙️/dim speed** either the minimum brightness level (completely dimmed down) or the dim speed can be adjusted.

**The lower rotary switch** determines the load type to which the dimming curve is set: position 1 is the standard setting. With position 2 and 3 it can be varied on request.

The flashing of the LED as soon as a new setting range has been reached when turning the rotary switch helps to find the desired position reliably.

**With switching operation for children's rooms (universal or direction pushbutton ▲):** 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 pressed without modifying the latest stored brightness level.

**Snooze function (universal or direction pushbutton ▼):** 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.

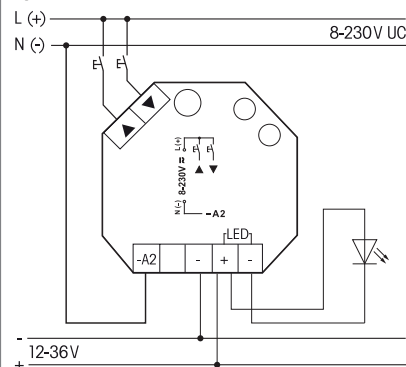
Holding down the pushbutton during the dimming down process dims up and stops the snooze function.

### Technical data

|                                               |                           |
|-----------------------------------------------|---------------------------|
| Dimmable LED lamps<br>12-36V DC               | 4 A                       |
| Max./min. temperature<br>at mounting location | +50°C/-20°C <sup>1)</sup> |
| Standby loss (active power)                   | 0.1 W                     |

<sup>1)</sup> Affects the max. switching capacity.

### Typical connection



## Important note!

**Only skilled electricians may install this electrical equipment otherwise there is the risk of fire or electric shock.**