


## System 3000 universal LED dimmer Mini



Specification	Order No.	Packing unit	PS	EAN
	2440 00	1	02	4010337031390

### Features

- Switching and dimming light bulbs, HV halogen lamps, electronic transformers for halogen or LED lamps, dimmable inductive transformers for halogen or LED lamps, HV LED or compact fluorescent lamps.
- Operation via auxiliary units.
- Automatic or manual setting of dimming principle according to load (leading or trailing edge).
- Display of the selected operating mode using LED.
- Bulb-saving switch-on.
- Switch-on brightness can be saved permanently.
- Switch on with the last brightness set, or a saved switch-on brightness.
- Minimum brightness can be set.
- Electronic short-circuit protection.
- Electronic excess-temperature protection.
- Operation with and without neutral conductor connection.

### Technical data

Rated voltage: AC 230 V, 50/60 Hz

Standby: max. 0.3 W

Connected load at 25 °C

- HV LED lamps (leading edge): typ. 3 to 50 W
- HV LED lamps (trailing edge): typ. 3 to 100 W
- Compact fluorescent lamp: typ. 3 to 50 W
- Light bulbs: 20 to 210 W
- HV halogen lamps: 20 to 210 W
- Gira tronic transformers: 20 to 210 W
- Electronic transformer with LV LED (leading edge): typically 20 to 50 W
- Electronic transformer with LV LED (trailing edge): typically 20 to 100 W
- Wound transformer: 20 to 210 VA
- Wound transformer with NV-LED: typically 20 to 50 VA

Auxiliary inputs

- Non-illuminated mechanical buttons: unlimited

- Auxiliary insert, 2-wire:	unlimited
- Auxiliary insert, 3-wire:	10
Cable length	
- Auxiliary unit:	max. 100 m
- Load:	max. 100 m
Installation:	in device box pursuant to DIN 49073, in combination with a suitable cover
Connections	
- Single-wire:	max. 4 mm <sup>2</sup>
- Fine-wire without ferrule:	max. 4 mm <sup>2</sup>
- Fine-wire with ferrule:	max. 2.5 mm <sup>2</sup>
Ambient temperature:	-5 °C to +45 °C

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## Notes

- In general, operating the dimmer without connecting a neutral conductor is possible, although some LED and CFLi light sources require the neutral conductor connection to prevent flickering.
  - For operation without a neutral conductor, the minimum load for light bulbs, HV halogen lamps, Gira Tronic transformers, and wound transformers increases to 50 W.
  - Electronic transformers and ballast devices for LED lamps can be operated with the dimming procedure stated by the manufacturer.
  - The switch-on brightness cannot be saved using a button.
  - The installation adaptor Mini housing 5429 00 is used for mounting in suspended ceilings.
  - If the ambient temperature is higher than 25 °C, the connected load must be reduced.
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## Dimensions in mm

Ø 48                      H 19,5

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