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System 3000 universal LED dimmer Mini



Specification	Order No.	Packing unit	PS	EAN
	2440 00	1/5		4010337031390

Features

- Switching and dimming light bulbs, HV halogen lamps, electronic transformers for halogen or LED lights, dimmable inductive transformers for halogen or LED lights, 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.
- Switch-on function that preserves the life of the lamp.
- 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 or without a 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):	typically 3 to 50 W
- HV LED lamps (trailing edge):	typically 3 to 100 W
- Compact fluorescent lamp:	typically 3 to 50 W
- Light bulbs:	20 to 210 W
- HV halogen lamps:	20 to 210 W
- 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 electronic transformer:	20 to 210 VA
- Wound transformer with NV-LED:	typically 20 to 50 VA
Auxiliary units	
- Non-illuminated mechanical push buttons:	unlimited

Illustrations are similar and may deviate from originals.

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- 2-wire auxiliary insert:	unlimited
- 3-wire auxiliary insert:	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
Connection cross section	
- Single-wire:	Max. 4 mm²
- Fine-wire without core jacket:	Max. 4 mm²
- fine-wire with core jacket:	Max. 2.5 mm²
Ambient temperature:	-5 °C to +45 °C
Dimensions:	Dia. 48, H 19.5 mm

Notes

- In principle, it is possible to operate the dimmer without connecting the neutral conductor, but some LED and CFLi light sources make the neutral conductor connection necessary to avoid flickering.
- Operation without a neutral conductor increases the minimum load for light bulbs, HV halogen lamps, Tronic transformers and wound transformers to 50 W.
- Electronic transformers and ballast devices for LED lamps can be operated with the dimming procedure specified by the manufacturer.
- The switch-on brightness cannot be saved using a button.
- The installation adapter mini housing is used for installation in false ceilings5429 00.
- If the ambient temperature is higher than 25 °C, the connected load must be reduced.
