

Product data sheet



Universal rotary dimmer LED



Reference number

1731 DD

Rotary dimmer universal LED

incremental control without end position
with satellite input

Intended use

- Switching and dimming of lighting
- Operation with suitable cover
- Installation in flush-box according to DIN 49073

Product characteristics

- Device works according to the leading edge phase control or trailing edge phase control principle
- Automatic or manual setting of the dimming principle suitable for the load
- Display of the set operating mode by means of LED
- Device can be operated without neutral conductor
- Switch-on via bulb-preserving soft start
- Switch-on with last brightness or saved switch-on brightness
- Switch-on brightness can be saved permanently
- Minimum brightness can be saved permanently
- Connection of satellite units possible
- Electronic short-circuit protection with permanent switch-off after 7 seconds at the latest
- Electronic over-temperature protection
- Power extension possible by means of power boosters

Centre plates:

AS / A ranges: ref.-no. A 1540 ..

CD range: ref.-no. CD 1540 ..

SL range: ref.-no. SL 1540 ..

LS range: ref.-no. LS 1940 .., .. 1940 ..

Technical data

Rated voltage:	AC 230 V ~
Mains frequency:	50/60 Hz
Stand-by power:	approx. 0.35 W
Power loss:	approx. 4 W
Ambient temperature:	-5 ... +45 °C
Connected load at 25 °C	
Incandescent lamps:	20 ... 420 W
HV halogen lamps:	20 ... 420 W
Electronic transformers:	20 ... 420 W
Electronic transformers with LV LED:	typical 20 ... 100 W
Inductive transformers:	20 ... 420 VA
Inductive transformers with LV LED:	typical 20 ... 100 W
Dimmable HV LED lamps:	typical 3 ... 100 W
Dimmable compact fluorescent lamps:	typical 3 ... 100 W

With setting "LED trailing edge phase control" the max. connection power for HV LED lamps and electronic transformers with LV LED doubles.

Ohmic-capacitive:	20 ... 420 W
Capacitive-inductive:	not permitted
Ohmic-inductive:	20 ... 420 VA
Ohmic and HV LED:	typical 3 ... 100 W
Ohmic and CFL:	typical 3 ... 100 W

Reduction of load

Amplifiers: see instructions for amplifier

Connection: screw terminals

single wire:	1 x 0.5 ... 4.0 mm ² 2 x 0.5 ... 2.5 mm ²
stranded without ferrule:	1 x 0.5 ... 4.0 mm ² 2 x 0.5 ... 2.5 mm ²
stranded with ferrule:	1 x 0.5 ... 4.0 mm ² 2 x 0.5 ... 1.5 mm ²

Number of satellite units

Rotary satellite insert 3-wire 1733 DNE:	5
Satellite insert 2-wire 1720 NE:	unlimited
Push-buttons:	unlimited

Total length of extension unit cable: max. 100 m

Total length power cable: max. 100 m

