

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 EN 60670-1

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
- Key card function
- Power extension possible by means of power boosters (ref.-no. ULZ 1755 REG)
- Optional accessory: compensation module LED, ref.-no.: KM LED 230 U

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 \sim Mains frequency: 50/60 Hz Stand-by power: approx. 0.35 W Power loss: approx. 4 W Ambient temperature: $-5 \dots +45$ °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 VA



Dimmable HV LED lamps: typical 3 ... 100 W
Dimmable compact fluorescent lamps: typical 3 ... 100 W

Operating mode LED trailing edge phase control: Rated power for HV LED lamps, typ. 3 ... 400 W, electronic transformers with LV

LED typ. 20 ... 200 W.

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

Amplifiers: see instructions for amplifier

Connection: screw terminals

 single wire:
 $1 \times 0.5 \dots 4.0 \text{ mm}^2 2 \times 0.5 \dots 2.5 \text{ mm}^2$

 stranded without ferrule:
 $1 \times 0.5 \dots 4.0 \text{ mm}^2 2 \times 0.5 \dots 2.5 \text{ mm}^2$

 stranded with ferrule:
 $1 \times 0.5 \dots 4.0 \text{ mm}^2 2 \times 0.5 \dots 1.5 \text{ mm}^2$

Number of satellite units

Rotary satellite insert 3-wire 1733 DNE: 10
Satellite insert 3-wire 1723 NE: 10
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

