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CTM
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MDimLed Micro

Universal LED dimmer 3-250 W

El. No.: 1403888



Facts

The MDimLed Micro dims most dimmable types of light/lamp, from the lowest to the highest level.

The dimmer is connected without neutral (2-wire). It has screwless terminals for fast, simple installation.

A rotary switch on the dimmer is adjusted to the lowest light level without flicker, and is used for selecting trailing/leading-edge dimming. Trailing edge is set at the factory.

The dimmer is operated with an external push switch (not included).

Operation

An external push switch is used. Can be used with all types of push switch for mains voltage.

Off/on:

Short press on push switch.

Dim:

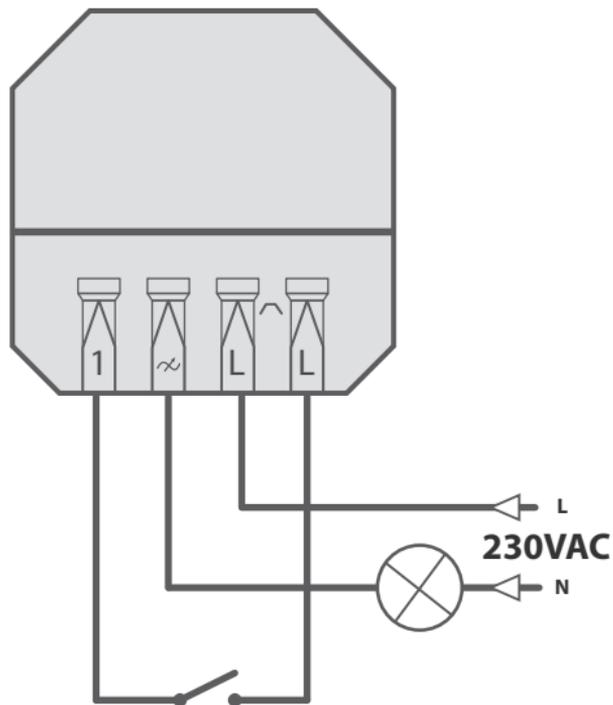
Hold push switch in, fades alternately up and down.

Dimming from off position:

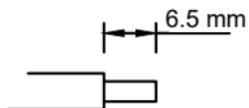
If the dimmer is turned off, the push switch may be held in. The light will always fade from low to high in this mode.

The dimmer remembers the last level in the event of a power cut.

Wiring diagram



0.5-2.5 mm²
(PN, PR and RK)



Overview

Rotary switch

O-E Minimum adjustment

F Trailing/leading-edge dimming



LED

Flashes in case of short circuit or over-temperature

Press switch

Used when rotary switch is at F

When rotary switch is at F
1 flash/sec = Trailing edge dimming
2 flashes/sec = Leading edge dimming

Minimum adjustment

Minimum adjustment on rotary switch
Use screwdriver, max. 3.2 mm.
Choose between settings 0-E.

Adjust until the light source is shining brightly and without flicker at the minimum level.

Trailing/leading-edge dimming

Setting F on rotary switch.
Select between trailing edge and leading edge dimming.
Trailing edge is set at the factory.

Turn the rotary switch to position F.
Select with short press on press switch.
Green LED shows which setting has been chosen.

1 flash per second = Trailing edge dimming
2 flashes per second = Leading edge dimming

Error codes

If the dimmer suddenly goes out, one reason could be over-temperature or short-circuiting of the load. The dimmer will indicate this by flashing of the green LED.

Phase designations

Reverse phase cut:
Trailing edge dimming, GLE

Phase cut:
Leading edge dimming, phase cut, GLI

Technical data

Universal LED dimmer MDimLed Micro

Voltage:
230 VAC +10/-20%
50 Hz

Physical dimensions:
40x40x15 mm

Load (min/max):
3-250 W (ohmic)

Connection:
No neutral (2-wire)

Terminals:
0.5-2.5 mm²
(PN, PR and RK)

Operation:
Push switch

Protection:

Electronic over-temperature protection 75°C
Mechanical over-temperature protection 145°C



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