

ED-4RUKS

DALI relay output, control cabinet

Art. no. 22169939

DALI relay output device with 4 switching contacts (each 10 A) for switching ohmic loads (e.g. a lamp) with a mains voltage of max. 230/240 V

Application

The ED-4RUKS allows simple switching within the Luxmate system via 4 independently switchable contacts. With this contact it is possible to control lamps and power consumers with voltages of up to 230/240 V AC*(!).

Design notes

- Where fading times are programmed, the delays are taken into account when switching on and off.
- The maximum total current per switching contact is designed to be 10 A (for $\cos\Phi=1$)*
- It is not permitted to connect tapped transformers (e.g. autotransformers) or 3-phase loads (e.g. 3-phase motors) to the ED-4RUKS because of the risk of a mains short circuit.
- Use only in electrical installations that meet EMC regulations.
- We recommend using universal interference suppressors when connecting inductive/capacitive loads: part no. 70088118

* Load specifications (designed for 30,000 operating cycles):

- Incandescent lamps: 2000W
- High voltage halogen lamps: 2000W
- Fluorescent lamps, uncompensated: 1000W
- Fluorescent lamps, parallel compensated: 920W/100microF
- Fluorescent lamps, dual switching: 2 x 1000W
- Compact fluorescent lamps, uncompensated: 800W
- Compact fluorescent lamps, parallel compensated: 800W/100microF
- Low voltage halogen lamps on a transformer: 400VA
- Electronic ballasts: 1000 VA, inrush current: max. 120 A / 20 ms
- LED driver: 1000 VA, inrush current: max. 120 A / 20 ms
- High pressure discharge lamps: 800W/100microF



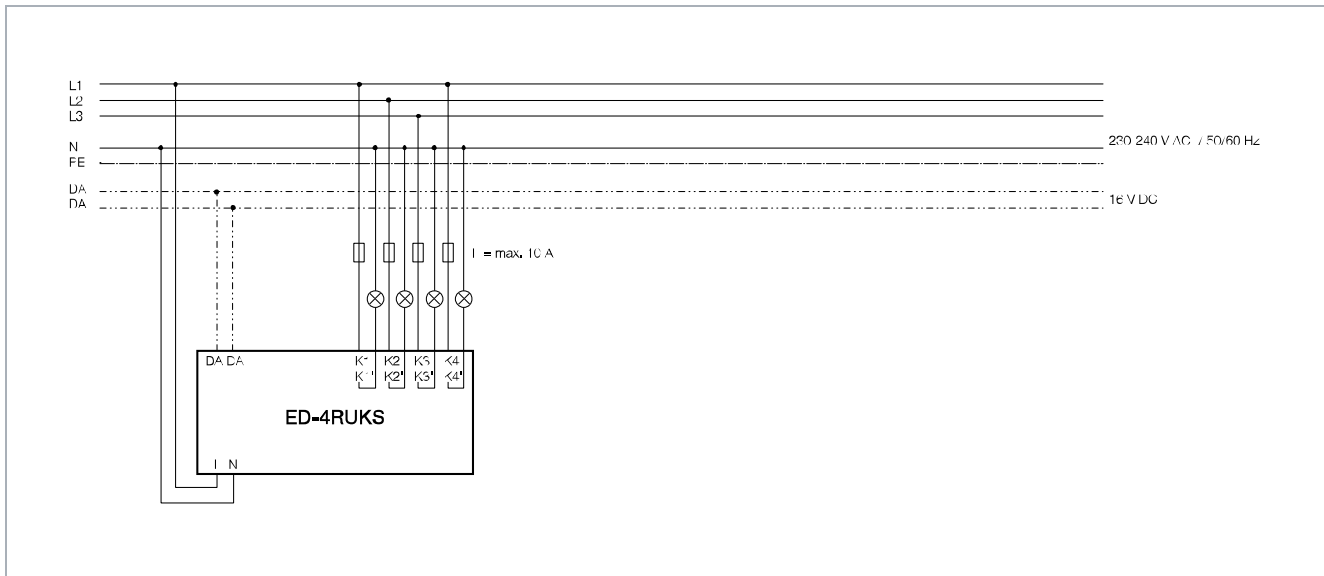
Functional description

The 4 contact settings can be defined separately as open/closed for each scene. The relays release if the power supply fails.

- no load monitoring
- run scene with fading: if control setting >86 (equivalent to approx. 1%)
- switching response: addressed:

ON >=2
OFF <=1

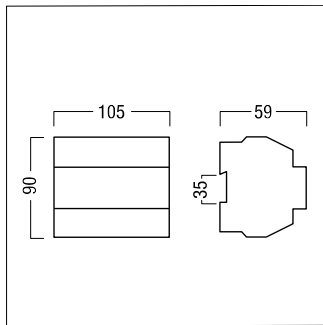
Wiring scheme



Mounting and installation instructions

- The EMOTION-4RUKS is mounted in switch and distribution cabinets on a 35mm top-hat rail.

Dimension



Technical data

Nominal voltage	230/240 V AC, 50/60 Hz
Permitted input voltage	207-264V AC, 50-60Hz
Power loss	< 2 W
Miscellaneous	Inrush current: max. 120 A / 20ms
Outputs	4 potential-free relay outputs; per relay output: ohmic loads with mains voltage of max. 230/240 V, 50/60 Hz Total current per relay output: max. 10 A at cos phi = 1
Addressing	1 room, group, individual address per output
Interface	DALI control line (DA, DA)
DALI loads	max. 1
Terminals	0.75–2.5 mm ² (single-wire or fine wire)
Protection type	IP20
Housing material	polycarbonate, halogen-free, flame retardant
Installation	On 35 mm top-hat rail according to EN 50022
Dimensions	105 x 90 x 59 mm 6 units at 17,5 mm
Permitted ambient temperature	0 °C ... +50 °C
Weight	Approx. 0.4 kg

Label/connections

