

## ED-1RUK

### Relay output (DALI) built-in

Art. no. 22169938

DALI relay output device with 1 switching contact (4 A) for switching ohmic loads (e.g. a lamp) with a mains voltage of max. 230/240 V AC and electrical consumers with max. 24 V DC

#### Application

The EMOTION-1RUK allows straightforward switching within the LUXMATE system via a switching contact. This can be used for controlling lamps and electrical loads for mains voltages up to 230/240V AC.

#### Design notes

- The unit is for use in LUXMATE installations.
- Where fading times are programmed, the delays are taken into account when switching on and off.
- Resistive loads only.
- The maximum total current per switching contact is 4A (for  $\cos\Phi=1$ ).
- Since the ED-1RUK is supplied entirely via the DALI control line, the ED-1RUK must be counted as 10 DALI loads (20mA) in the lighting design.
- The DALI input can withstand an external voltage of 230/240V.
- It is not permitted to connect tapped transformers (e.g. autotransformers) or 3-phase loads (e.g. 3-phase motors) to the ED-1RUK because of the risk of a mains short circuit.

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

Incandescent lamp.....500W

HV halogen.....500W

not for use with high pressure discharge lamps (e.g. HIT); no capacitive or inductive loads



#### Functional description

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

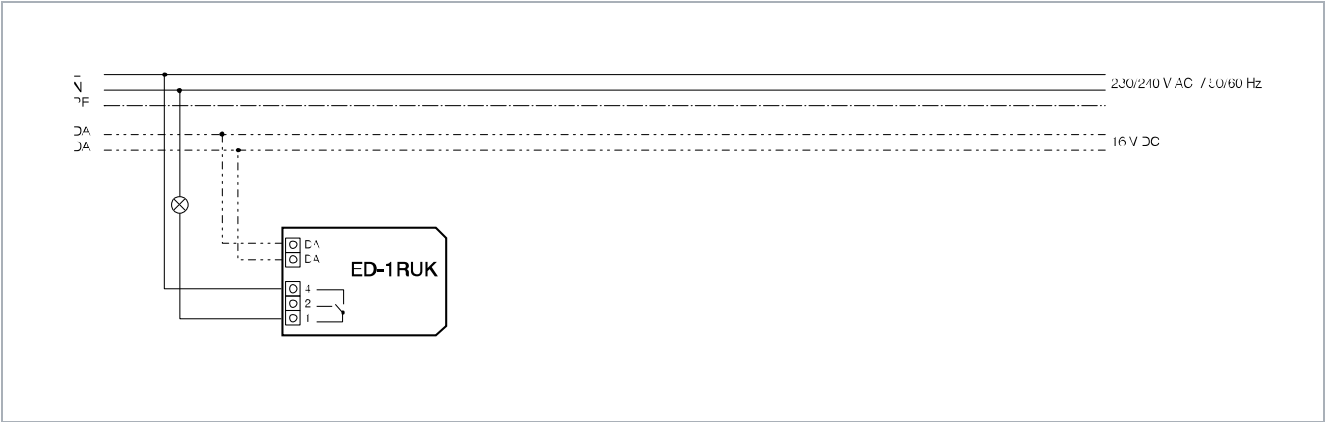
- no load monitoring
- run scene with fading: if control setting >250
- switching response:

addressed:

ON =254

OFF<=1

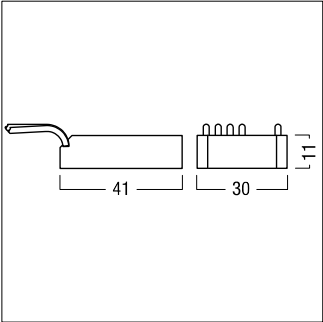
Wiring scheme



Mounting and installation instructions

- The device is installed at the load to be switched or in luminaires, ceilings or cable ducts.
- Power is supplied to the EMOTION-1RUK exclusively via the DALI control line. The device must not be connected to the mains supply on the input side.

Dimension



Technical data

Power supply	via DALI control line (16V DC)
Current consumption	max. 20 mA
Outputs	1 relay output, zero-potential; per relay output: ohmic loads with mains voltage of max. 230/240 V, 50/60 Hz or electrical consumer (max. 24 V DC); Total current: max. 4 A at cos phi = 1
DALI loads	max. 10
Addressing	1 room, group, individual address
Miscellaneous	Connection wires: 0.75 mm² x 250 mm
Terminals	0,5-1,5 mm²
Protection type	IP20
Housing material	plastic, halogen-free
Installation	in ceiling recess, Dado trunking, in floor, installing in luminaire
Dimensions	41 x 30 x 11 mm
Permitted ambient temperature	0 °C ... +50 °C
Weight	Approx. 0.1 kg

Label/connections

