

## LM-4RUKS

### Relay output 4x10A, control cabinet

Art. no. 22154120

Relay output with 4 independently switchable contacts (10A) for switching lamps

#### Application

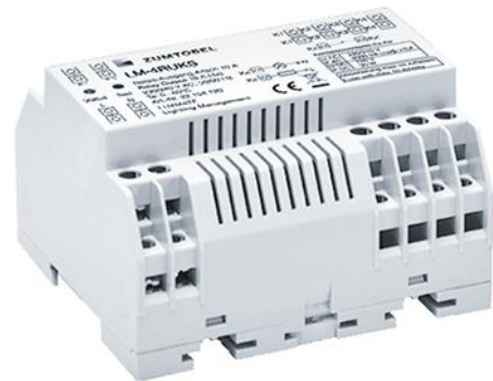
With the 4-way LM-4RUKS relay output, lamps for mains voltages of up to 230/240V~ are switched. The device has 4 contacts, which can be independently addressed, assigned scene values and controlled.

#### Design notes

- It is not permitted to connect tapped transformers (e.g. autotransformers) or 3-phase loads (e.g. 3-phase motors) to the relay output because of the risk of a mains short circuit.  
In addition, the outputs must not be connected in parallel, because the relays have asynchronous ON/OFF switching.
- Status LED shows the equipment operating status and helps in troubleshooting
- Test button This can be used to check the wiring and operation of the LM-4RUKS.
- Use only in electrical installations that meet EMC regulations.
- We recommend using universal interference suppressors when connecting inductive/capacitive loads: part no. 70088118

#### Contacts:

- See wiring diagram
- |   |  |
|---|--|
| Incandescent lamps 230 V                        | 2000W                                  |
| High voltage halogen lamps                      | 2000W                                  |
| Fluorescent lamps, uncompensated                | 1000W                                  |
| Fluorescent lamps, parallel compensated         | 920W/100µF                             |
| Fluorescent lamps, dual switching               | 2 x 1000W                              |
| Compact fluorescent lamps, uncompensated        | 800W                                   |
| Compact fluorescent lamps, parallel compensated | 800W/100µF                             |
| Low voltage halogen lamps on transformer        | 400VA                                  |
| Electronic ballasts                             | as per manufacturer's data for 1-pole  |
|   | N automatic circuit breaker type B/10A |
| High pressure discharge lamps                   | 800W/100µF                             |



#### Functional description

- The 4 relay contacts on the unit do not respond to dimming commands but only to scene calls and to the 0 and 100% control values. So if the control-point dimming buttons are used to adjust the lighting in an installation that is on, the relay contacts will not switch.
- The switching contacts of the LM-4RUKS switch immediately when a scene call is made, even if a longer cross-fade time is actually defined and dimming outputs such as the LM-DSI do not assume their scene control value until e. g. 30s after the scene call.
- The relays release if the mains power fails on the controller side. In the event of a bus failure, the system switches to the configured scene or configured control value; a response cannot be configured (standard).

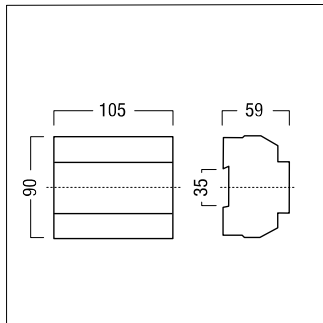
## Wiring scheme



## Mounting and installation instructions

- The LM-4RUKS is mounted in switch and distribution cabinets.

## Dimension



## Technical data

Nominal voltage	230/240 V AC, 50/60 Hz
Permitted input voltage	207-253 V AC, 50-60 Hz
Power loss	< 2 W
Inputs	LUXMATE bus (B1, B2)
Outputs	4 potential-free relay outputs
Addressing	1 room, group, individual address per output
Operating mode	INTENS (brightness 02)
Terminals	0,75 ... 2,5 mm <sup>2</sup>
Miscellaneous	Inrush current: max. 120 A / 20ms
Protection type	IP20
Housing material	polycarbonate, halogen-free, flame retardant
Installation	On 35 mm top-hat rail according to EN 50022
Dimensions	6 units at 17,5 mm
	105 x 90 x 59 (L x W x H, in mm)
Permissible ambient temperature ta	0 °C ... +50 °C
Weight	Approx. 0.4 kg
Miscellaneous	Status LED for indication of operating state Momentary action test switch for testing the installation

## Label/connections

