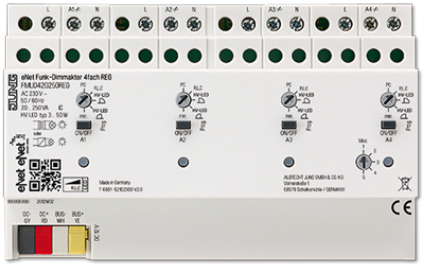
Product data sheet

eNet radio dimming actuator 4-gang, for rail mounting



Reference number
FM UD 420250 REG

eNet radio dimming actuator 4-gang, for rail mounting

Rail mounting device, 8 rail units
New system feature: Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0

Intended use

- Switching and dimming of incandescent lamps, HV halogen lamps, electronic transformers for halogen or LED lamps, dimmable inductive transformers for halogen or LED lamps, HV LED or compact fluorescent lamps
- Operation with power supply (ref.-no. NT 1220 REG VDC) and receiver module (ref.-no. FM FK 32 REG) or eNet server
- Operation with suitable eNet radio transmitters
- Installation in distribution boxes on DIN rail according to EN 60715

Product characteristics

- Switch-on via bulb-preserving soft start
- Switch-on brightness for each output can be saved permanently
- Minimum brightness for each output can be saved permanently
- Scene operation possible
- Status indication of the outputs via LED
- Status feedback to radio transmitter
- Outputs switchable with **Prog** button
- Increase in output power possible through parallel switching of multiple outputs
- Electronic short-circuit protection with permanent switch-off after 7 seconds at the latest
- Electronic over-temperature protection
- Automatic or manual setting of the dimming principle suitable for the load
- Power extension possible by means of power boosters (ref.-no. ULZ 1755 REG)
- Optional accessory: compensation module LED, ref.-no.: KM LED 230 U

Can be set with eNet server:

- Maximum brightness
- Dimming speed
- Switch-on delay / switch-off delay
- Dim up/dim down ramp
- Switch-off warning
- Operating locks
- Continuous on, Continuous off
- Hotel function
- Run-on time

Supplementary functions with eNet server:

- Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0
- Update of the device software
- Reading of error memory

Technical data	
Rated voltage:	AC 230 V ~, 50/60 Hz
Power loss:	max. 8 W
Stand-by power:	max. 1.2 W
Ambient temperature:	–5 ... +45 °C
Connected load per output at 45 °C	
Power specifications including transformer power dissipation.	
Operate inductive transformers with at least 85 % nominal load.	
For ohmic-inductive mixed load, maximum 50 % proportion of ohmic load. Otherwise incorrect calibration of the dimmer may result.	
Max. load for outputs connected in parallel is limited to 95 %.	
The minimum load of parallel switching of load outputs is 250 VA.	
Incandescent lamps:	20 ... 250 W
HV halogen lamps:	20 ... 250 W
Electronic transformers:	20 ... 250 W
Electronic transformers with LV LED:	typical 20 ... 100 W
Inductive transformers:	20 ... 250 VA
Inductive transformers with LV LED:	typical 20 ... 100 VA
Dimmable HV LED lamps:	typical 3 ... 50 W
Dimmable compact fluorescent lamps:	typical 3 ... 50 W
With setting "LED trailing edge phase control" the max. connection power for HV LED lamps and electronic transformers with LV LED doubles.	
Ohmic-inductive:	20 ... 250 VA
Ohmic-capacitive:	20 ... 250 VA
Capacitive-inductive:	not permitted
Amplifiers:	see instructions for amplifier
Connection, outputs	
Connection mode:	screw terminals
single wire:	1 x 1.5 ... 4 mm²
stranded without ferrule:	1 x 0.75 ... 4 mm²
stranded with ferrule:	1 x 0.5 ... 2.5 mm²
Contact type:	
Length of output cable, per channel:	max. 100 m
Mounting width:	144 mm (8 rail units)
Bus line	
Rated voltage:	DC 12 V SELV
Current consumption:	10 mA
Connection bus:	terminal
Cable length:	max. 3 m

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