

Product data sheet

eNet radio dimming actuator 1-gang, for rail mounting



Reference number

FM UD 5500 REG

eNet radio dimming actuator 1-gang, for rail mounting

rail mounting device, 2 rail units

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 eNet radio receiver (ref.-no. FM FK 32 REG) or eNet server
- Operation with suitable eNet radio transmitters
- Mounting on DIN rail according to EN 60715 in distribution box

Product characteristics

- Switch-on via bulb-preserving soft start
- Switch-on brightness can be saved permanently
- Minimum brightness can be saved permanently
- Scene operation possible
- Status indication with LED
- Status feedback to radio transmitter
- Switchable with **Prog** button
- 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 amplifiers (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 ~

Mains frequency:	50/60 Hz
Power loss:	max. 4 W
Stand-by power:	max. 0.3 W
Ambient temperature:	-5 ... +45 °C
Connected load at 35 °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.	
Incandescent lamps:	20 ... 500 W
HV halogen lamps:	20 ... 500 W
Electronic transformers:	20 ... 500 W
Electronic transformers with LV LED:	typical 20 ... 100 W
Inductive transformers:	20 ... 500 VA
Inductive transformers with LV LED:	typical 20 ... 100 VA
Dimmable HV LED lamps:	typical 3 ... 100 W
Dimmable compact fluorescent lamps:	typical 3 ... 100 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 ... 500 VA
Ohmic-capacitive:	20 ... 500 VA
Capacitive-inductive:	not permitted
Ohmic and HV LED:	typical 3 ... 100 W
Ohmic and CFL:	typical 3 ... 100 W
Reduction of load for every 5 °C exceeded 35 °C:	-5 %
Amplifiers:	see instructions for amplifier
Connection, outputs	
Connection mode:	screw terminals
single wire:	1 x 1.5 ... 4 mm ²
stranded without ferrule:	1 x 0.75 ... 4 mm ²
stranded with ferrule:	1 x 0.5 ... 2.5 mm ²
Contact type:	
Length of output cable per channel:	max. 100 m
Mounting width:	36 mm (2 rail units)
Bus line	
Rated voltage:	DC 12 V SELV
Current consumption:	10 mA
Connection bus:	terminal
Cable length:	max. 3 m

