



DATA SHEET

light control devices

RUD 2



230 V AC control unit for remote dimmer consumers LT 500 and LT 1200
 Article number 09500203

[Internetlink](#)

Function

Lighting control devices, depending on the design, allow the control of different lighting equipment. The main focus is the capability to smoothly adjust the lighting in order to create lighting scenes. The control devices have different power and available input signals in addition to the type of controllable lighting. The RUD 2 is a modular DIN rail component for controlling up to 10 remote dimmer consumers LT 500 and LT 1200 via their pulse width modulation (PWM) inputs. Each consumer may be set to leading edge or trailing edge operation. The device is operated by conventional push-buttons and impulses of the operating voltage of 230 V AC. There are inputs for the following functions: memory on/off/smooth adjustment, memory on (direct approaching of memory value), central on (100% illumination) and central off (0% illumination).

Features

Output: Puls Width Modulation (PMW) signal for actuating up to ten LT 500 and LT 1200 load units, Small size (1 module), Central On and Off function, memory function

Mounting

quick fastening to mounting rail, any installation position

Applications

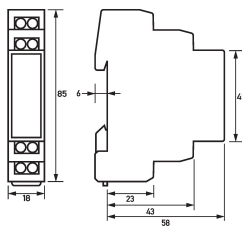
In conjunction with the remote dimmer load units the RUD 2 controls lighting in Private houses, Banks, Hospitals, Restaurants, etc.

Technical Data

Technical Data	RUD 2
Series	RUD 2
Operating voltage (AC)	230 V (207 V ... 253 V)
Operating frequency	50 Hz
Internal consumption	max. 0.1 W
	control input
Rated voltage (AC)	230 V
Rated frequency	50 Hz
Bounce time of push buttons	10 ms
	PWM output
Specification	semiconductor
Number	1
Rated voltage (AC)	24 V
	screw-type terminal top and bottom
max. Connection C1 cable length	100 m
Clamping area	0.4 mm ² ... 2.5 mm ²
Cross section solid	1-wire: 0.4 mm ² ... 2.5 mm ²
Cross section stranded	1-wire: 0.4 mm ² ... 1.5 mm ²
Tightening torque	max. 0.64 Nm
	General data
Operating position	optional
Ambient temperature	-10 °C ... 45 °C

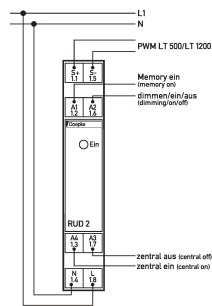
Technical Data	RUD 2
Housing type	distribution board housing
Installation type	Mounting rail (35 mm)
Housing material	polycarbonate (PC)
Protection class	IP20
Width	18 mm
Height	85 mm
Depth	65 mm
Installation depth	58 mm
Module widths	1
Design requirements/Standards	EN 60669, EN 60669-1

Dimensions



Dimensional drawing Group view

Wiring example



Wiring diagram