



## DATA SHEET

### DDMU 1Rplus

Dimmers with 1#9610 V output and PWM output

Article number 09501181



[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 DDMU 1Rplus dimmer facilitates the switching and smooth adjustment of electronic ballasts with a 1–10 V interface and Doepke consumers LT 500 and LT 1200, where the operating status is indicated both via the front LED and a Dupline feedback channel. The switch on the front and Dupline channel 2 can be used to smoothly adjust and switch on/off the outputs. When switched off, the last selected dimming value is saved in an internal memory as a "memory value" and the output is set to this value when switched on again. The memory value is deleted if a power failure occurs. The dimmer also has six lighting scenes which can be saved and then recalled using channel combinations. The lighting scenes are preset at the factory in 15 % increments within a range between 25 % and 100 % and secured against inadvertent changes. This lock can be easily cancelled and then reactivated after a change is made. The lighting is switched on via a lamp-saving soft start function every time. If necessary electronic ballast delays extend the switch-on process even more. In addition to the 1...10 V output, the DDMU 1Rplus has a control output, on which up to 10 load modules type LT 500 or LT 1200 can be connected, even in mixed operation. This allows an additional output power of up to 12,000 watts. The dimmer is equipped with a jumper at the factory, which provides the entire voltage range on the 1–10 V output (characteristic curve A). Removing the jumpers sets characteristic curve B, where the output voltage is limited to max. 6.5 V. The set characteristic curve does not affect the PWM output.

#### Features

- 1...10 V output for electronic ballasts- Output for up to 10 dimmer load modules LT 500/LT 1200- Selectable dimming characteristics- Dimming, Central-On/Off and activation of lighting scenes via Dupline- Lighting scenes can be locked to provide accidental change- Dimming also possible by means of push-button at front- Bulb preserving soft start - Acknowledgement of operating status via Dupline bus

#### Mounting

quick fastening to mounting rail, any installation position

#### Applications

Lighting control in private and commercially used buildings, such as churches or schools, living rooms, lecture halls.

#### Notes

The lines from the output to the electronic ballasts should not be laid parallel to the voltage-carrying mains lines. Shielding must be fitted if necessary.

#### Accessories

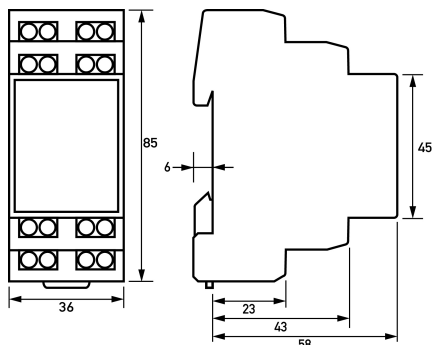
Lighting control devices LT

#### Technical Data

Technical Data	DDMU 1Rplus
Series	DDMU 1Rplus
design	Dupline
max. IF Bus system output channel	4
max. IF Bus system input channel	1
current consumption bus	50 µA
max. Number of lighting groups	1
max. Number of lighting scenes	6

Technical Data	DDMU 1Rplus
min. Dimming speed (10% -> 100% / 100% -> 10%)	4 s
max. Dimming speed (10% -> 100% / 100% -> 10%)	4 s
Operating voltage (DC)	24 V (21.5 V ... 26.5 V)
Current consumption (DC)	0.019 A ... 0.029 A
Type	Display Bus signal
Type	LED (green)
Type	Display Operation
Type	LED (red)
Specification	1-10 V output
Number	Semiconductor
Rated voltage (DC)	1 V ... 10 V
Specification	Load output
Rated current (AC)	Relay
Specification	10 A
Rated current (DC)	PWM output
Specification	max. 0.08 A
Rated frequency	max. 70 Hz
	Screw-type terminal top and bottom (Voltage supply, Bus connection)
Clamping area	0.4 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
General data description	General data
Operating position	any
Ambient temperature	-10 °C ... 45 °C
Permissible humidity	max. 85 %
Housing type	Distributor housing
Mounting type	Mounting rail
Housing material	Polycarbonate (PC)
Protection class	IP20
Width	35 mm
Height	85 mm
Depth	65 mm
Installation depth	58 mm
Width (modules)	2
Design requirements/Standards	EN 60669-1, EN 55022, EN 61000-6-3, EN 61000-6-1, EN 55024

Dimensions



*Dimensional drawing Group view*