

Dimmers - compatibility with various types of light bulbs

Product	automatically detects type of load	R	L	C	ESL	LED	
		Standard and halogen light bulbs	Low voltage light bulbs (12-24V), wounded transformer	Low voltage light bulbs (12-24V), electronic transformer	Dimmable Energy Saving Lamps (ESL)	CATEGORY 1: „LOW COST“ LED LAMPS - MULTILED SYSTEMS WITH INTEGRATED LINEAR POWER SUPPLY	CATEGORY 2: 1-3 DIMMABLE POWER LED LAMPS WITH INTEGRATED SWITCHING POWER SUPPLY
DIM-2	x	✓	✓	x	x	x	x
DIM-14	✓	✓	✓	✓	x	x	x
DIM-15	x	x	x	x	✓	✓	✓
SMR-M	x	x	x	x	✓	✓	✓
SMR-S	x	✓	✓	x	x	x	x
SMR-U	✓	✓	✓	✓	x	x	x

Staircase switch with dimming DIM-2

Advantages

- 1-module, DIN rail mounted
- Supply voltage AC 230V
- Function of gradual dim-up and dim-down, controlling inputs for push button and switch
- Protection against button dead locking
- Potentiometers adjust:
 - speed (fluency) of switching on
 - maximum intensity of light
 - time of maximum intensity light
 - speed (fluency) of switching off
- Contactless output: 1 x triac
- Load AC1 2A / 500W



Staircase switch with dimming DIM-2

Type	Code No.	Weight [g]	Packaging [pcs]
DIM-2	002470009	70	1/10

Staircase switch with dimming DIM-2

Technical data

Supply	A1-A2
Supply voltage	230 V AC (50 Hz)
Consumption	max. 5 VA
Supply voltage tolerance	- 15%; + 10%
Supply indication	green LED
Time setting via	potentiometer
Time deviation	10% mechanical setting
Repeat accuracy	5% set value stability
Temperature coefficient	0,01% / °C / 20 °C

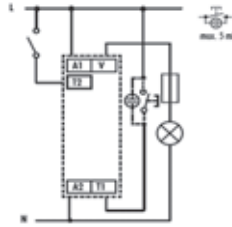
Controlling T1

Terminals	T1-A1
Voltage	230 V AC
Power on control input	max. 1,5 VA
Impulse length	min. 100 ms / max. unlimited
Glow-lamps	yes, max. 5 pcs (at 1 mA)

Controlling T2

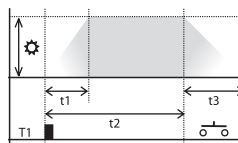
Terminals	T2-A1
Voltage	230 V AC
Power control input	max. 0,1 VA
Impulse length	min. 100 ms / max. unlimited
Glow-lamps	no
Output	contactless - triac
Rated current	2 A
Resistive load	10-500 VA
Inductive load	10-250 VA
Operating temperature	-20...+55 °C
Storage temperature	-30...+70 °C
Operating position	any
Mounting	DIN rail EN 60715
Protection degree	IP 40 from front panel
Overvoltage category	III
Pollution degree	2
Max. cable size	2,5 mm ²
Dimensions	90x17,6x64 mm
Standards	EN 60669-2-1, EN 61010-1

Connection



Function

Controlled via input T1 (button)



Cycle dim-up time is activated by pressing the button; By repressing the button (during the cycle) it is possible to prolong the time of the cycle.

Legend:

⚙ Output / Brightness: 10-100%

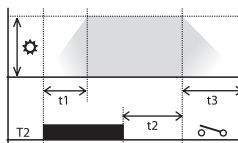
t1 Dim-up time: 1-40 s

t2 Time delay: 0s-20min

t3 Dim-down time: 1-40s

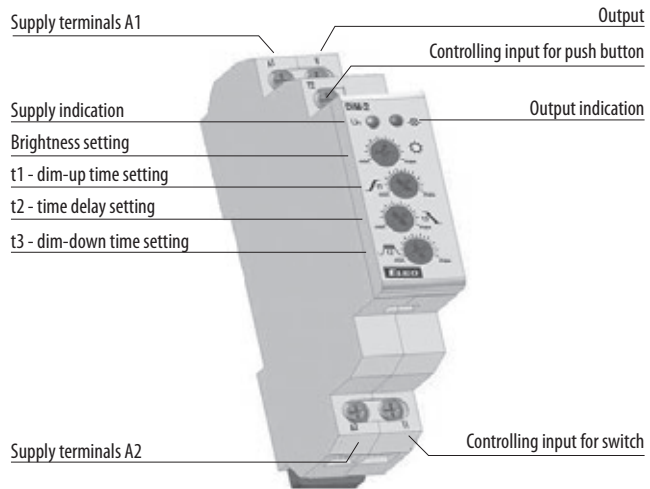
T1/T2 Controlling contact

Controlled via input T2 (switch)

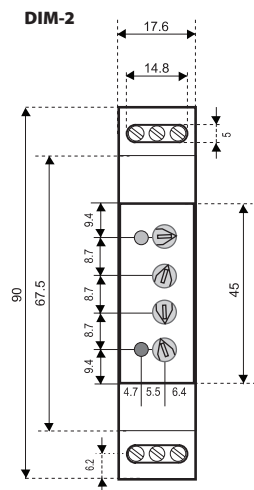


The cycle is started by activating the switch and breaks on max. adjusted brightness level. After the switch is turned off the switch cycle is complete.

Description



Dimensions



1-module design

