

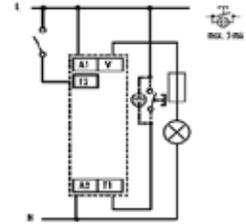
Staircase switch with dimming DIM-2

Technical data	
Supply	A1-A2
Supply voltage	230V 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	AC 230V
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	AC 230V
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

Advantages

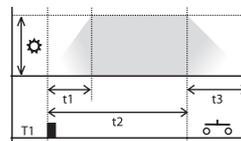
- 1-module, DIN rail mounted
- Supply voltage AC 230V
- Function of gradual dim-up and dim-down, controlling inputs for push button and switch
- Protection against button dead locking
- Potentiometers adjust:
 - speed (fluency) of switching on
 - maximum intensity of light
 - time of maximum intensity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

Connection



Function

Controlled via input T1 (button)

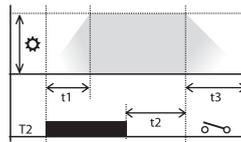


Cycle dim-up time is activated by pressing the button; By repressing the button (during the cycle) it is possible to prolong the time of the cycle.

Legend:

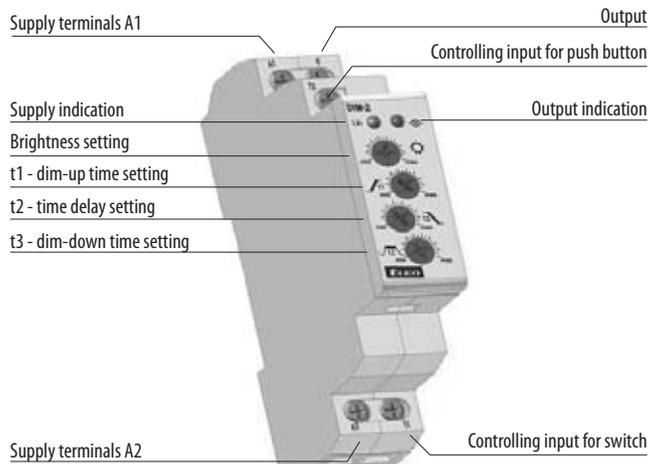
- ⚙ Output / Brightness: 10-100%
- t1 Dim-up time: 1-40 s
- t2 Time delay: 0s-20min
- t3 Dim-down time: 1-40s
- T1/T2 Controlling contact

Controlled via input T2 (switch)

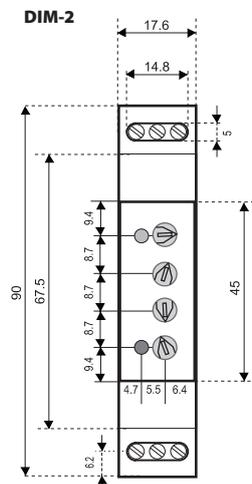


The cycle is started by activating the switch and breaks on max. adjusted brightness level. After the switch is turned off the switch cycle is complete.

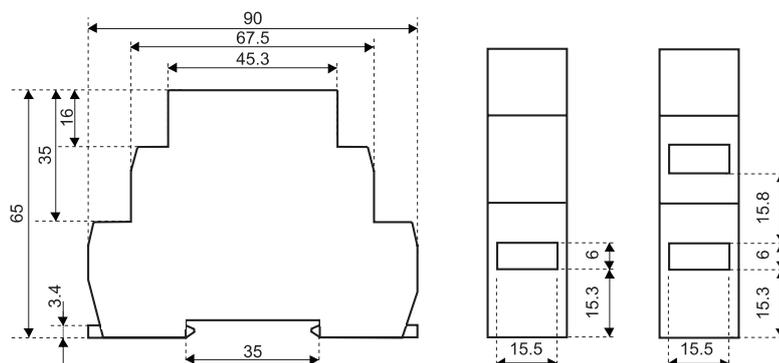
Description



Dimensions



1-module design



Dimmer DIM-14

Advantages

- 1-module, DIN rail mounting
- Supply voltage: AC 230 V
- Designed for dimming of electrical bulbs and halogen lights with wound or electronic transformer
- For switching and dimming of lights, control inputs for a button
- Short pressing switches ON/OFF, longer pressing (more than 0.5 s) enables gradual light intensity setting when switched off, brightness level is stored in a memory and when switched on again last brightness level is restored
- Output without contacts: 2x MOSFET
- LED output indication (with any level of brightness)
- Possibility of parallel connection of control buttons
- Resistive, inductive or capacitive load, up to 300 W, for a short term up to 500 W

- Simultaneous connection of inductive and capacitive load is not allowed.
- Electronic overvoltage protection
- Protection against temperature overrun inside a device – output off and signalization of overheat by LED flashing

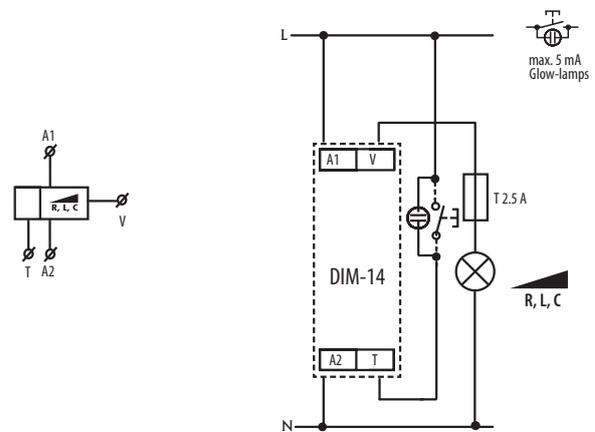
Technical data	
DIM-14	
Supply	A1-A2
Supply voltage	AC 230 V (50 Hz)
Consumption	1,3 W
Supply voltage tolerance	- 15%; + 10%
Supply indication	green LED
Indication output	6 VA
Controlling	
Terminals	T1-A1
Control Voltage	AC 230 V
Power control input	AC 0,3 - 0,6 VA
Impulse length	min. 80 ms / max. unlimited
Glow-lamps in control button	yes, max. 5 pcs. (at 1 mA)
Output	2 x MOSFET
Rated current	2 A
Resistive load	500 VA*
Inductive load	500 VA*
Capacitive load	500 VA*
Output indication	red LED
Operating temperature	-20...+35 °C
Storage temperature	-20...+60 °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

*When load is above 300 VA it is necessary to ensure sufficient cooling

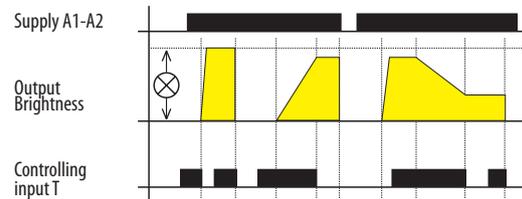
Recommendation for mounting: leave a gap of min. 0,5 module (approx. 9 mm) on side of the device to ensure better cooling of the device.

Warning for DIM-14: it is not allowed to connect together loads of inductive and capacitive type at the same time

Connection



Functions



Description

