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DIM-14

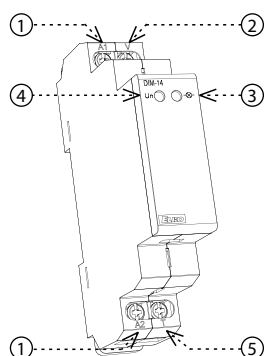
Controlled dimmer

02-189/2016 Rev.: 0

Characteristics

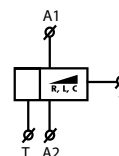
- designated for dimming of el. bulbs and halogen lights with wound or electronic transformer
- for switching and dimming of lights, control inputs for a button
- short pressing switches ON/OFF, longer pressing (> 0.5 s) enables gradual light intensity setting
- when switched off, brightness level is stored in a memory and when switched on again this last brightness level is restored
- supply voltage: AC 230 V
- 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 500 VA*
- 1-MODULE, DIN rail mounting
- electronic overvoltage protection
- protection against temperature overrun inside a device - output off

Description

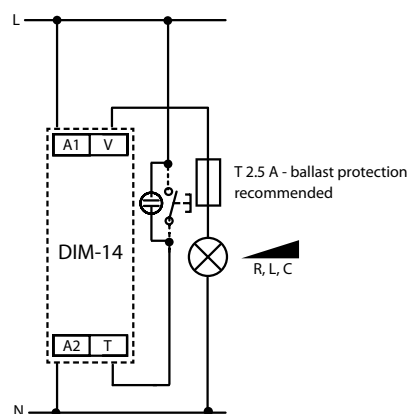


1. Supply voltage terminal
2. Output
3. Output indication
4. Supply voltage indication
5. Controlling input for switch

Symbol



Connection



Product loadability

a	b	c	d	e	f	
R	L	C	230V AC x	x	xx	xxx
●	●	●	-	-	●	●

- a) lamp, halogen light
b) low-voltage el. bulbs 12/24V wound transformers
c) low-voltage el. bulbs 12/24V electronic transformers
d) LED bulbs
e) saving fluorescent lamps
f) switching management
x - dimmable
xx - incline edge
xxx - descending edge

DIM-14

Supply terminals:	A1-A2
Supply voltage:	AC 230 V / 50 Hz
Consumption:	1.3 W
Supply voltage tolerance:	-15 %; +10 %
Power dissipation:	6 VA
Supply indication:	green LED

Controlling

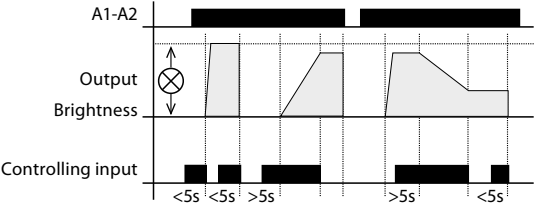
Control terminals:	A1-T
Control voltage:	AC 230 V
Power control input:	AC 0.3 - 0.6 VA
Impulse length:	min. 80 ms / max. unlimited
Glow-lamps:	yes
Max. amount of glow lamps connected to controlling input:	max. 20 pcs (measured with glow lamp 0.68 mA / 230 V AC)

Output

Contactless:	2x MOSFET
Rated current:	2 A
Resistance load:	500 VA*
Inductive load:	500 VA*
Capacitive load:	500 VA*
Output state indication:	red LED

Other information

Operating temperature:	-20 °C to +35 °C (-4 °F to 95 °F)
Storage temperature:	-20 °C to +60 °C (-4 °F to 140 °F)
Operating position:	any
Mounting:	DIN rail EN 60715
Protection degree:	IP40 from front panel, IP10 terminals
Overvoltage category:	III.
Pollution degree:	2
Max. cable size (mm²):	solid wire max. 2x 2.5 or 1x 4 (AWG 12) with sleeve max. 1x 2.5 or 2x 1.5 (AWG 12)
Dimensions:	90 x 17.6 x 64 mm (3.5" x 0.7" x 2.5")
Weight:	58 g (2 oz.)
Standards:	EN 60669-2-1; EN 61010-1



Notes

* When load is above 300 VA it is necessary to ensure sufficient cooling.
Warning: it is not allowed to connect together loads of inductive and capacitive type in the same time.
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

Device is constructed for connection in 1-phase main AC and must be installed according to norms valid in the state of application. Connection according to the details in this direction. Installation, connection, setting and servicing should be installed by qualified electrician staff only, who has learnt these instruction and functions of the device. This device contains protection against overvoltage peaks and disturbances in supply. For correct function of the protection of this device there must be suitable protections of higher degree (A, B, C) installed in front of them. According to standards elimination of disturbances must be ensured. Before installation the main switch must be in position "OFF" and the device should be de-energized. Don't install the device to sources of excessive electro-magnetic interference. By correct installation ensure ideal air circulation so in case of permanent operation and higher ambient temperature the maximal operating temperature of the device is not exceeded. For installation and setting use screw-driver cca 2 mm. The device is fully-electronic - installation should be carried out according to this fact. Non-problematic function depends also on the way of transportation, storing and handling. In case of any signs of destruction, deformation, non-function or missing part, don't install and claim at your seller. After the product exceeds lifetime, it should be removed and placed inprotected dump.
Important instructions and cautions - dimmer is not designated for controlling of motors or other inductive loads. Electronic transformers exceeding 105 VA could cause problems when dimmed. Stability of the transformer is not guaranteed, flickering could occur. HDO warning signals and other similar signals spreaded by main, can cause interruption of dimmer. Interruption is active only during transmitting of these signals.