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Made in Czech Republic

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DIM-5

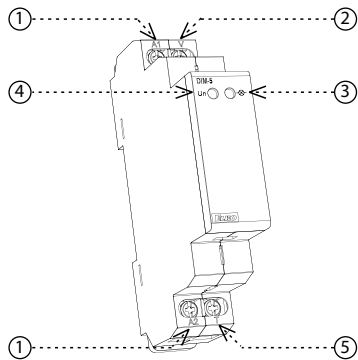
Controlled dimmer



Characteristics

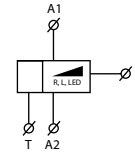
- Designated for dimming el. bulbs, halogen lights and halogen lights with winding transformers and Dimmable LED¹.
- Short press turns light on/off, longer press (> 0.5 s) provides dim up / dim down.
- When switched off, brightness level is stored in a memory and when ON again it restores last brightness level.
- Voltage range: AC 230 V.
- Contactless output.
- LED output indication (with any level of brightness).
- Possibility to connect control buttons in parallel.
- 1-MODULE, DIN rail mounting.
- Clamp terminals.
- Protection against over-heating inside the product - switches output off + signalizes overheating by LED flashing.

Description

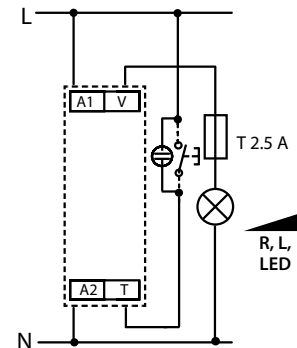


1. Supply voltage terminal
2. Output
3. Output indication
 - any brightness level - LED shines
 - temperature overload - output disconnected, LED flashes
4. Supply voltage indication
5. Controlling input for push button

Symbol



Connection



T 2.5 A - ballast protection recommended

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.

Product loadability

a	b	c	d	e
R	L	C	ESL	LED ¹
●	●	-	-	●

- lamp, halogen light
- low-voltage el. bulbs 12/24V wound transformers
- low-voltage el. bulbs 12/24V electronic transformers
- energy saving bulbs
- dimmable LED bulbs, designed for dimmers with phase-controlled rising edge (triac dimmers)

DIM-5

Supply terminals:	A1-A2
Supply voltage:	AC 230 V / 50 Hz
Burden (unloaded):	max. 7.5 VA / 0.6 W
Max. dissipated power:	1 W
Supply voltage tolerance:	-15 %; + 10 %
Supply indication:	green LED

Control

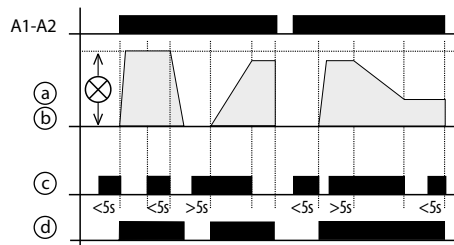
Control terminals:	T - A1
Control voltage:	AC 230 V
Power control input:	max. 1.5 VA
Impulse length:	min 80 ms / max. unlimited
Glow-lamps:	Yes
Max. amount of glow lamps connected to controlling input:	max. amount 50 pcs (measured with glow lamp 0.68 mA / 230 V AC)

Output

Rated current:	2 A
Resistance load:	10 - 500 VA
Inductive load:	10 - 250 VA
Output indication:	red LED

Other information

Operating temperature:	20 °C to +55 °C (-4 °F to 131 °F)
Storage temperature:	-30 °C to +70 °C (-22 °F to 158 °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 (mm ²):	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



- short press for switch on / off the lamp, longer press (> 0.5 s) for fluent illumination regulation
- when a device is de-energized, the brightness level is stored in its memory. When the device is energized again, a light is off. You can switch this light on by pressing a button. The light then switches on in the brightness level which is stored in its memory

- a) Output
- b) Brightness
- c) Controlling contact T
- d) LED

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 stop using the product it is possible to demount and recycle.