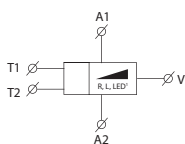




EAN code
DIM-2 /230 V: 8595188112475
DIM-2-1h /230V: 8595188135740

Technical parameters		DIM-2
Supply terminals:	A1 - A2	
Voltage range:	AC 230 V/50 Hz	
Burden (unloaded):	max. 8 VA/0.6 W	
Max. dissipated power:	1.5 W	
Supply voltage tolerance:	-15 %; +10 %	
Supply indication:	green LED	
Time setting by:	potentiometers	
Time deviation:	10 % - mechanical setting	
Repeat accuracy:	5 % - set value stability	
Temperature coefficient:	0.01 %/°C, at = 20 °C (0.01 %/°F, at = 68 °F)	
Recovery time:	max. 80 ms	
Controlling T1 (button)		
Terminals:	T1 - A1	
Voltage:	AC 230 V	
Power on control input:	max. 1.5 VA	
Impulse length:	min.100 ms/max. unlimited	
Glow-lamps:	Yes	
Max. amount of glow lamps connected to controlling input:	230 V - max. amount 50 pcs (measured with glow lamp 0.68 mA/230 V AC)	
Controlling T2 (switch)		
Terminals:	T2 - A1	
Voltage:	AC 230 V	
Power on control input:	0.1 VA	
Impulse length:	min.100 ms/max. unlimited	
Output		
Contactless:	1x triac	
Current rating:	2 A	
Resistance load:	10 - 500 VA	
Inductive load:	10 - 250 VA	
Other information		
Operating temperature:	-20 .. +55 °C (-4 .. 131 °F)	
Storage temperature:	-30 .. +70 °C (-22 .. 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/ 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:	64 g (2.3 oz.)	
Standards:	EN 60669-1, EN 60669-2-1	

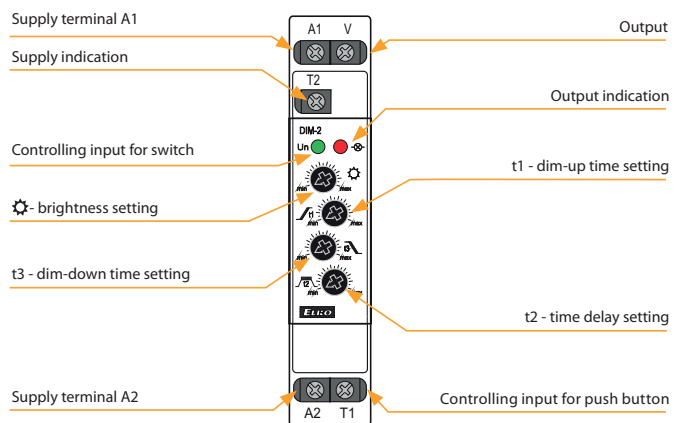
Symbol



- Designated for dimming el. bulbs, halogen lights and halogen lights with winding transformers and Dimmable LED¹.
- Intelligent control of halogen lights, function of gradual switching on and dimming.
- Controlling inputs for push button and switch.
- Values are set on front panel of the product, adjustable:
 - maximum dim-up
 - speed (fluency) of dim-up
 - speed (fluency) of dim-down
 - time for which a light is on with maximum dim-up.
- Output without contact: 1x triac.
- Parallel connection of controlling pushbuttons is possible.
- Protection against over-temperature inside the product - switches out-off + signalizes overheating by LED flashing.
- Note: possibility of start and finish adjustment up on 1 second to 1 hour, device has description DIM-2 1h.

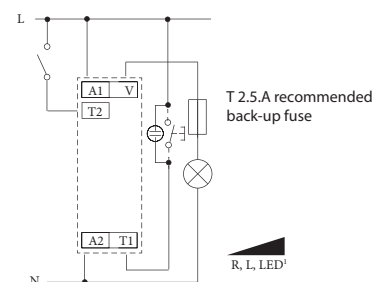
LED¹: more informations on page 75

Description



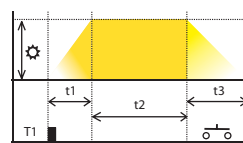
Recommendation for mounting: leave a gap of min. 0.5 module (approx. 9 mm,(0.3")) on side of the device to ensure better cooling of the device.

Connection



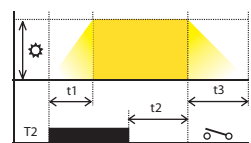
Function

Controlled via input T1 (button)



Dim-up delay-down is started by a button. Cycle extension - by re-pressing button (during the cycle).

Controlled via input T2 (switch)



The switch starts the cycle and it stops on max.set brightness. After the switch is off, the cycle will continue until completed.

Legend:







- ☞ Brightness: 10 - 100 %
- t1 Dim-up time: 1 - 40 s
- t2 Time delay: 0 s - 20 min
- t3 Dim-down time: 1 - 40 s

DIMMERS AND LIGHT INTENSITY CONTROLLERS

Type	Design	Supply voltage	Type of dimmed load							Output element	Output			Method of phase regulation			Description	Page
			R ¹	L ¹	C ¹	ESL	LED ¹	LED ²	Rated load			Rising edge	Falling edge	Control method 0-10 V/1-10V				
									R		L				C			
DIM-15	1M-DIN	AC 230 V	●	●	●	●	x	●	2x MOSFET	300 VA	300 VA	300 VA	●	●	x	Universal dimmer R, C, L, ESL, LED ² , button control.	76	
SMR-M	BOX	AC 230 V	●	●	●	●	x	●	2x MOSFET	160 VA	160 VA	160 VA	●	●	x	Like DIM-15, but for mounting under the push-button into the installation box (e.g. KU68).		
DIM-2	1M-DIN	AC 230 V	●	●	x	x	●	x	triak	10-500 VA*	10-250 VA	x	●	x	x	Stairway automaton with progressive illumination on/off, adjustable rise time, delay, maximum brightness. Dimmer R, L, LED ¹ .	78	
DIM-6	6M-DIN	AC 230 V	●	●	●	x	x	●	4x MOSFET	2 000 VA*	2 000 VA*	2 000 VA*	●	●	●	Universal dimmer 2kW R, C, L, LED ² , power expandable, pushbutton control/0-10 V/1-10 V/ potentiometer/INELS 2 bus.	80	
DIM6-3M-P	3M-DIN	AC 230 V	●	●	●	x	x	●	2x MOSFET	1 000 VA*	1 000 VA*	1 000 VA*	●	●	x	Expansion power module 1kW to DIM-6 dimmer.	81	
SMR-S	MINI-BOX	AC 230 V	●	●	x	x	●	x	triak	10-300 VA*	10-150 VA	x	●	x	x	Designed for dimming bulbs, halogen lamps with wound transformer, dimmable LED ¹ into the installation box (e.g. KU68).	79	
LIC-1	1M-DIN	AC 230 V	●	●	●	●	x	●	2x MOSFET	300 VA*	300 VA*	300 VA*	●	●	x	Universal dimmer R, C, L, ESL, LED ² , button control, constant light level control.	82	
RFDEL-76M	6M-DIN	AC 230/ -120 V	●	●	●	●	x	●	12x MOSFET	6x 150 VA (230 V)	6x 150 VA (230 V)	6x 150 VA (230 V)	●	●	x	Load capacity 150 VA/channel (230 V version) or possibility to connect up to max. 900 VA in parallel at the expense of the number of channels. Each channel has a separate, galvanically separated input.	83	

* with load over 300 VA is necessary to ensure sufficient cooling

Explanation of symbols

TYPE OF LOAD (symbols)	bulbs, halogen lamps	low-voltage el.bulbs 12/24V wound transformers	low-voltage el.bulbs 12/24V electronic transformers	ESL dimmable compact fluorescent lamps	Dimmable LED bulbs (triac dimmer)	Dimmable LED bulbs (dimmer with MOSFET)
						
	R	L	C	ESL	LED ¹	LED ²

Demonstrated symbols are informative

Explanation:



R, L, C,
ESL, LED

Dimmer with designated load:

R - resistive

L - inductive

C - capacitive

ESL - energy saving bulbs

LED¹ - dimmable LED bulbs, designed for dimmers with phase-controlled rising edge (triac dimmers)

LED² - dimmable LED bulbs designed for dimmers with phase or phase-to-phase phase control (dimmers with MOSFET).

IPxx protection - under normal conditions: normal conditions are understood as such conditions of operating an electrical device, installation and power supply network for which the entire device is designed, produced and installed. Upon these normal conditions of use and upon normal maintenance, all protective devices must be effective throughout the entire expected service life of the product.

Recommendation for mounting modular dimmers: leave a gap of min. 0.5 module (approx. 9 mm / 0.4") on side of the device to ensure better cooling of the device.