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LIGHT DIMMERS
universal

SCO-815

WARRANTY. The F&F products are covered by the 24 months warranty from date of purchase. Effective only with proof of purchase. Contact your dealer or directly from us. For more information on the procedures for filing complaints on: www.fif.com.pl/reklamacja



Do not dispose of this device in the trash along with other waste! According to the Law on Waste, electro coming from households free of charge and can give any amount to up to that end point of collection, as well as to store the occasion of the purchase of new equipment (in accordance with the principle of old-for-new, regardless of brand). Electro thrown in the trash or abandoned in nature, pose a threat to the environment and human health.

PURPOSE

Universal lighting dimmer allows you to adjust the brightness of light following light sources:

- Incandescent lamps, halogen lamps, the main series (resistive load R)
- Lamp powered by a toroidal transformer (inductive load L)
- Lamp powered by an electronic transformer (capacitive load C)
- Compact fluorescent lamps (ESL) with dimming
- Energy-efficient LED lights (LED) with dimming

FUNCTIONS

- Automatic detection of the nature of the load R + L, R + C and LED. Use lamps ESL character must be set manually load with dimmer knob on the forehead.
- Illumination and quenching fluid to extend the life of the lamp controlled.
- Setting of speed brightening and dimming.
- „Memory” illumination settings - on every light returns to the previously set brightness. Not applicable lamps ESL.

ASSEMBLY

1. Take OFF the power.
2. Put on the rail in the switchgear box.
3. Power Dimmer: L phase connected to terminal 10, N to terminal 8 (7 or 9).
4. Control buttons: a single button or a group of buttons connected in parallel between the phase plug the L (+) and terminal 1, N or (-) connected to terminal 3.

ATTENTION!

Control input is galvanically isolated from the power supply of dimmer. Ability to connect a separate control voltage different from the power supply.

Terminals 7-8-9 are connected and form a single point of N. SCO-815 can be used with backlighted buttons.

TECHNICAL DATA

supply	
dimmer	230V AC
connected lamps	230V AC
power of connected lamps (R)	300W
(L)	300W
(C)	300W
(ESL)	100W
(LED)	100W
control voltage	8÷230V AC/DC
current pulse duration	<1sec
power consumption	0,1W
working temperature	-20÷50°C
connection	screw terminals 2,5mm ²
dimensions	1 module (18mm)
fixing	on the rail TH-35

- Setting a minimum level of illumination lamp controlled (especially important for ESL lamps that require minimum power point and maintain).
- ON mode - switching to the maximum brightness of the lighting without dimming.
- Control input electrically isolated from the power supply dimmer.

FUNCTIONING

Lighting is switching on by a current pulse sent after pressing an impulse switch (buzzer) connected to a relay. Another impulse switches the lighting off. Pressing and holding the switch for more than 1 second allows the user to adjust light intensity (continuous loop adjustments in the following sequence: BRIGHTER>DARKER>BRIGHTER). After every time the lighting returns to the previously set brightness. The lighting can be controlled with a number of keys arranged in parallel at different points in the room.

SETTING

Setting S:

* ON - switching to maximum brightness lighting without dimming

* Min-max - speed-controlled starting and blanking lamp (for the characterization of R, L, C, and LED)

* ELS (+ / -) - speed control starting and blanking lamp exclusively for ELS. Two degrees of adjustment: + faster; - slowly.



Setting %:

* Min-max - setting a minimum level of light-controlled lamps. Especially for ELS lights, where in the lower ranges of light may be blinking effect or no light.



WIRING DIAGRAM

