

**LIGHT DIMMERS**  
 a function of light intensity  
 setting „storage” allowed

**SCO-812**

**WARRANTY.** The F&F products are covered by a warranty of the 24 months from the date of purchase. Effective only with proof of purchase. Contact your dealer or directly with us. More information how to make a complaint can be found on the website: [www.fif.com.pl/reklamacje](http://www.fif.com.pl/reklamacje)



Do not dispose of this device to a garbage bin with other unsorted waste!

In accordance with the Waste Electrical and Electronic Equipment Act any household electro-waste can be turned in free of charge and in any quantity to a collection point established for this purpose, as well as to the store in the event of purchasing new equipment (as per the old for new rule, regardless of brand). Electro-waste thrown in the garbage bin or abandoned in the bosom of nature pose a threat to the environment and human health.



**PURPOSE**

The dimmer is used for switching on and off incandescent and halogen lamps and offers the option of light intensity adjustment by means of any impulse switch (buzzer).

**OPERATION**

Pressing a momentary (bell) switch connected to the dimmer will initiate current pulse that in turn will switch on the lightning. Next pulse will switch the lightning off. The lighting can be controlled by buttons connected in parallel and arranged in different points of the room. Hold down the button longer than 1 second to set the required light levels in one direction from the current setting to maximum or minimum. The direction of change (brightening or dimming) is forced by the dimmer and is always changing to the opposite one after each setting. The dimmer has a settings memory. After every switching the lightning returns to the preset brightness. SOFT START feature - holding down the button for longer than 1 second when switching light causes the smooth lighting up from "zero" to the maximum. (DARK -> LIGHTER).

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**NOTE!**

SCO-812 can operate with backlight buttons.

**NOTE!**

In the case of frequent overheating of the system, reduce the load (the number of receivers or their power) or ensure better ventilation.

**NOTE!**

SCO-812 can be used for halogen lamps, also those powered by a transformer or electronic power supply designed to work with dimmers.

**NOTE!**

Dimmers may work incorrectly with some electronic power supplies (for example: flickering lighting). Some types of power supplies should operate with halogen lamps with a total power of at least 50% of the nominal power of the power. Tests are recommended before final installation.

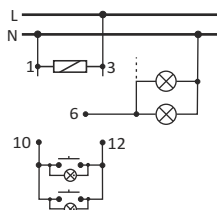
**SPECIFICATIONS**

power supply	230V AC
current load	<1,5A
maximum power of the connected lamps	350W
voltage pulse	<1s
power consumption	0,1W
working temperature	-25÷50°C
terminal	screw terminals 2,5mm <sup>2</sup>
tightening torque	0,4Nm
dimensions	1 module (18mm)
mounting	on TH-35 rail
stopień ochrony	IP20

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The dimmer has a thermal protection. In case of overheating of the system, the dimmer indicates this condition with three flashes of a controlled and then shuts itself down. If the temperature drops below critical, the dimmer can be switched on again.

**IN/OUT description**



- 1-3 L-N power supply
- 6 300W dimmable output
- 10-12 signal inputs for closing buttons

**ASSEMBLY**

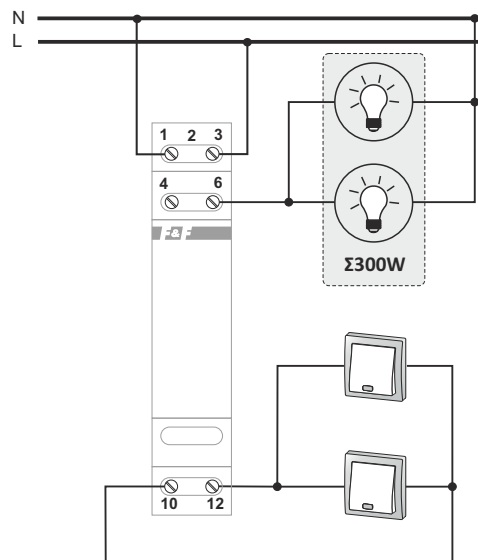
1. Turn off the power.
2. Place the dimmer on rail in switchgear.
3. Connect the power supply wires: N to terminal 1; L to terminal 3.
4. Button or group of buttons connected in parallel connect in series between terminals 10 and 12.
5. Connect controlled lighting to terminal 6 and the wire N.

**NOTE!**

If you connect separate lamp circuits the sum of power cannot exceed the maximum (ΣP<300 W).

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**Schemat podłączenia**



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