

LIGHT DIMMERS
 without a function of light intensity
 setting „storage” allowed **SCO-801**

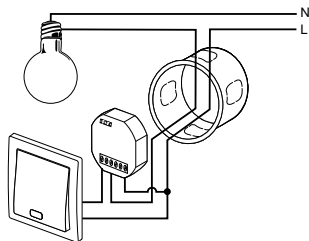
WARRANTY. The F&F products are covered by a warranty of the 24 months from the date of purchase. Effective only with proof of purchase. Contact your dealer or directly with us. More information how to make a complaint can be found on the website: www.fif.com.pl/reklamacje



CE 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).



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Note!

All Z terminals form a single load point. If you connect a separate circuits lamps the power sum can not exceed the maximum (ΣP <300W).

Note!

SCO-801 can be used with illuminated buttons.

Note!

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

Note!

SCO can be used for halogen lamps, also powered by the power supply or electronic transformer designed to work with dimmers. NOTE! With some electronic control dimmers can work incorrectly (eg. Flickering light). For some types of halogen lamps should be connected with a total capacity min. 50% of the nominal power adapter.

Before final installation is recommended tests.

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Functioning

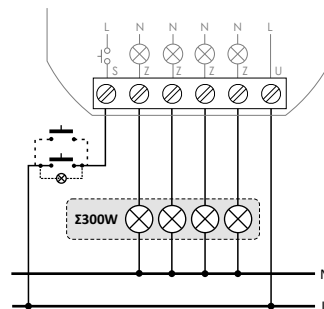
The lights on is follows the current pulse triggered by pressing the momentary switch (door bell) connected to the dimmer. Turn off lighting will take a place after the next pulse. Lighting can be controlled by switch buttons connected pararely and placed in different places of the room. Holding down the button longer than 1 second. allows you to set the desired light level in one direction from the current setting to the maximum or minimum. The direction of change (brightening or dimming) is forced by the dimmer and change forever for the opposite after each setting. The SOFT START function - holding the button longer than 1 second. when switching on the lighting causes the "smooth" adjustment from "zero" to the maximum. (DARKER -> BRIGHTER). The dimmer has thermal protection. In the event of overheating the dimmer indicates a 3-fold wink controlled lamp and then turns off. Once the temperature drops below a critical dimmer can be re-attached.

Assembly

1. Take OFF the power.
2. Put on the relay in to under plaster box.
3. Connect the power supply to U terminal
4. Button or group of buttons connected in parallel connect in series between the phase of L and S terminal.
5. Connect load to the Z output terminals.

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Wiring diagram



Technical data

supply	230V AC
current load	<1,3A
maximum power of light bulbs connected	300W
current pulse duration	<1s
power consumption	0,1W
working temperature	-25÷50°C
connection	1,5mm ² screw terminals
dimensions	ø54 (□ 48×43mm), h=20mm
fixing	to under plaster box Ø60
ingress protection	IP20

D150512

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

SCO-812

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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.

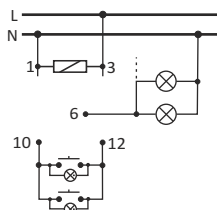
SPECIFICATIONS

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 ²
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

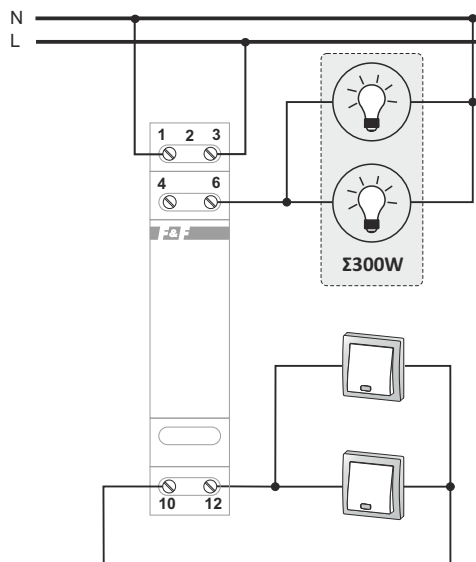
1. Turn off the power.
2. Place the dimmer on rail in switchgear.
3. Connect the power supply wires: N to terminal 1; L to terminal 3.
4. Button or group of buttons connected in parallel connect in series between terminals 10 and 12.
5. Connect controlled lighting to terminal 6 and the wire N.

NOTE!

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

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Schemat podłączenia



D150603/151023

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SCO-814

LIGHT DIMMERS

no "storage" of light intensity settings enabled



5 19 0 8 3 1 2 1 5 9 2 5 1 8

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F&F products are covered by an 24 months warranty from date of purchase

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)

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).

Light intensity may be controlled by means of numerous switches in a parallel connection, distributed in several locations with in a room.

ASSEMBLY

1. Take OFF the power.
2. Put on the rail in the switchgear box.
3. Connect it with wiring diagram.

TECHNICAL DATA

supply	230VAC
current load	<4,5A
maximum power of light bulbs connected	1000W
current pulse duration	<1sec
power consumption	0,3W
working temperature	-25+50°C
connection	screw terminals 2,5mm ²
dimensions	3 modules (52,5mm)
fixing	on the rail TH-35
overcurrent protection	WTA 5×206,3A

ATTENTION!

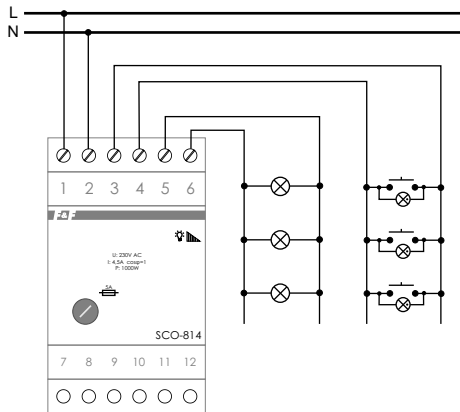
SCO-814 is compatible with bell pushes equipped with fluorescent lamps.

ATTENTION!

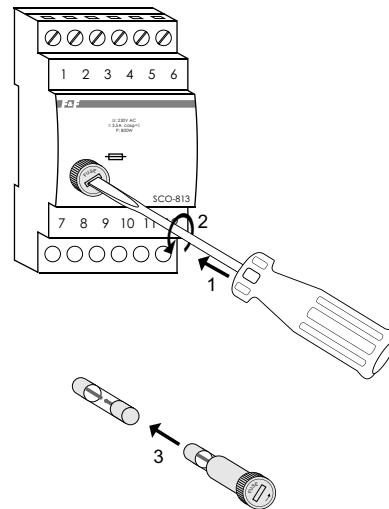
There may be working irregularities with certain electronic feeders (e.g. flickering may appear). Therefore, some feeder types require light bulbs or halogens of total power up to 50% of the feeder's nominal.

Tests are recommended before final assembly and commission.

WIRING DIAGRAM



CHANGE OF FUSE ELEMENT WTA 5×20



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