

4.

LIGHT DIMMERS

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). **Suitable for incandescent and halogen lamps** (including those powered with electronic or transformer-based feeders adapted to dimmers).

FUNCTIONING

Lighting is turned 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).

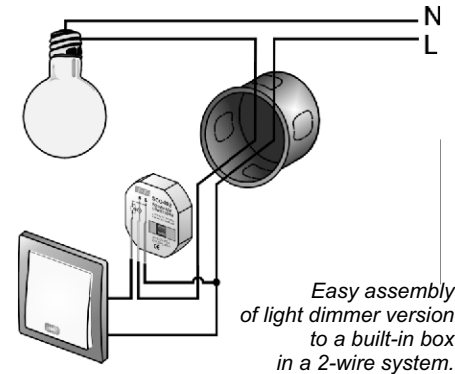
Light intensity may be controlled by means of numerous switches in a parallel connection, distributed in several locations within a room.

SCO are adapted to co-operate with pushbuttons equipped with neon lamp.

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.

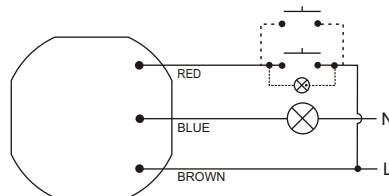
Tests are recommended before final assembly and commission.



NO "STORAGE" OF LIGHT INTENSITY SETTINGS ENABLED.

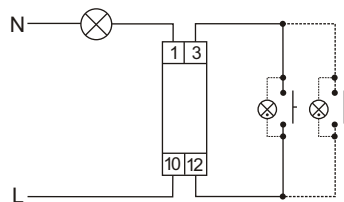
The lighting returns to its maximum intensity after each activation.

SCO-801 350W



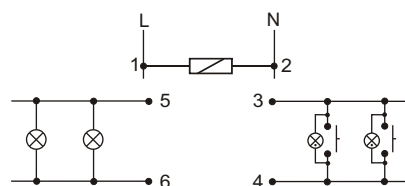
supply	230V AC
current load	<1,5A
maximum power of light bulbs connected	350 W
current pulse duration	<1sec
power consumption	0,1W
working temperature	-25+50°C
connection	wires 3×1mm ² , l=10cm
dimensions	Ø55, h=13mm
fixing	to under plaster box Ø60mm
overcurrent protection	WTA 5×20 fuse link 2A

SCO-811 350W



supply	230V AC
current load	<1,5A
maximum power of light bulbs connected	350 W
current pulse duration	<1sec
power consumption	0,1W
working temperature	-25+50°C
connection	screw terminals 2,5mm ²
dimensions	1 module (18mm)
fixing	on rail TH-35
overcurrent protection	WTA 5×20 fuse link 2A

SCO-813 1000W



supply	230V AC
current load	<4,5A
maximum power of light bulbs connected	1000 W
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 rail TH-35
overcurrent protection	WTA 5×20 fuse link 6,3A

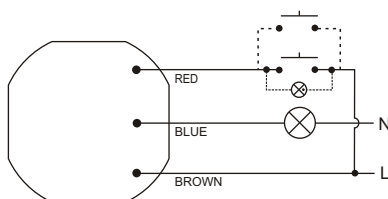
ATTENTION!

"SOFT START" - pressing and holding the switch for more than 1 second on switch-on allows gradual increase of the intensity from "zero level" (in a DARKER→BRIGHTER sequence).

A FUNCTION OF LIGHT INTENSITY SETTING “STORAGE” ALLOWED.

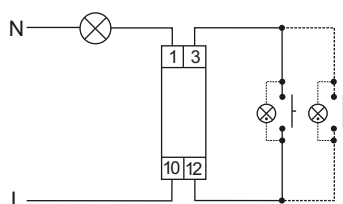
The lighting returns to the preset intensity after each activation.

SCO-802 350W



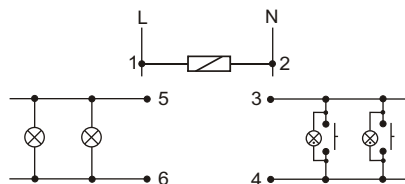
supply	230V AC
current load	<1,5A
maximum power of light bulbs connected	350 W
current pulse duration	<1sec
power consumption	0,1W
working temperature	-25+50°C
connection	wires 3×1mm ² , l=10cm
dimensions	Ø55, h=13mm
fixing	to under plaster box Ø60mm
overcurrent protection	WTA 5×20 fuse link 2A

SCO-812 350W



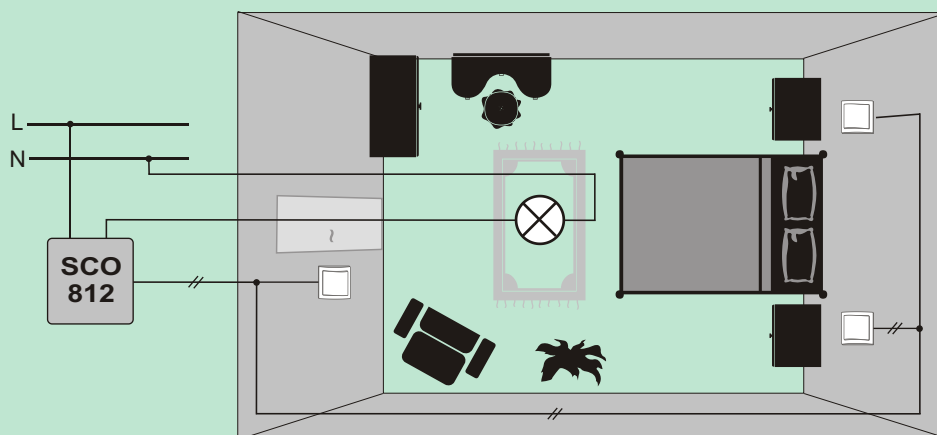
supply	230V AC
current load	<1,5A
maximum power of light bulbs connected	350 W
current pulse duration	<1sec
power consumption	0,1W
working temperature	-25+50°C
connection	screw terminals 2,5mm ²
dimensions	1 module (18mm)
fixing	on rail TH-35
overcurrent protection	WTA 5×20 fuse link 2A

SCO-814 1000W



supply	230V AC
current load	<4,5A
maximum power of light bulbs connected	1000 W
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 rail TH-35
overcurrent protection	WTA 5×20 fuse link 6,3A

PRACTICAL SOLUTIONS



Example of lighting control system from three locations within a room.