

# 4.

# LIGHT DIMMERS

## PURPOSE

the dimmer is used for switching on and off incandescent and halogen lamps and offers the option of light intensity by means of any impulse switch (suitable for incandescent and halogen lamps including those powered with electronic or transformer-based feeders adapted to dimmers).

## FUNCTIONING

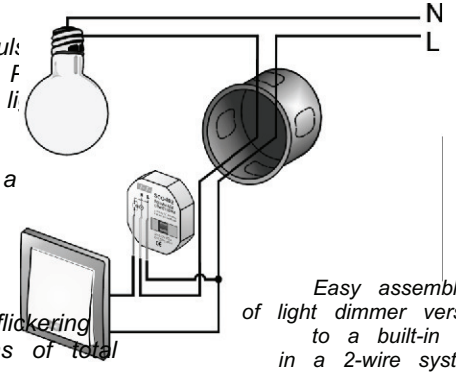
Lighting is turned on by a current pulse sent after pressing an impulse switch (buzzer) connected to a relay. Another impulse switches the lighting off. Pressing and holding the switch for more than 1 second allows the user to adjust light intensity (continuous loop adjustments in the following sequence: DIMMER → BRIGHTER → BRIGHTER).

Light intensity may be controlled by means of numerous switches in a 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.

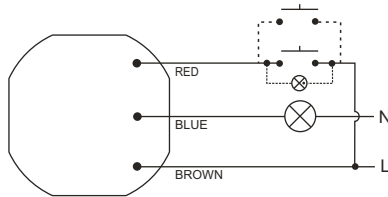
Tests are recommended before final assembly and commission.



## NO "STORAGE" OF LIGHT INTENSITY SETTINGS ENABLED.

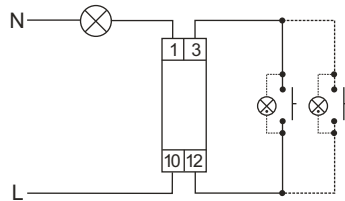
The lighting returns to its maximum intensity after each activation.

### SCO-801 350W



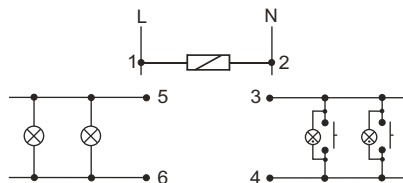
supply	230V
current load	<1,5A
maximum power of light bulbs connected	
current pulse duration	
power consumption	
working temperature	
connection	2, I=10cm
dimensions	Ø55, h=13mm
fixing	Ø60mm
overcurrent protection	WTA 5×20 fuse

### SCO-811 350W



supply	230V
current load	<1,5A
maximum power of light bulbs connected	
current pulse duration	
power consumption	
working temperature	
connection	screw terminals 2,5mm
dimensions	1 module (18mm)
fixing	on rail TH-35
overcurrent protection	WTA 5×20 fuse

### SCO-813 1000W



supply	230V
current load	<4,5A
maximum power of light bulbs connected	
current pulse duration	
power consumption	
working temperature	
connection	screw terminals 2,5mm
dimensions	modules (52,5mm)
fixing	on rail TH-35
overcurrent protection	WTA 5×20 fuse

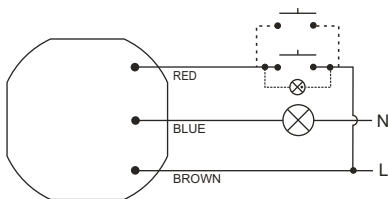
## ATTENTION!

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

**A FUNCTION OF LIGHT INTENSITY SETTING “STORAGE” ALLOWED.**

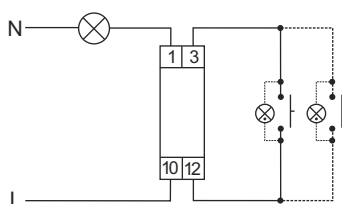
The lighting returns to the preset intensity after each activation.

**SCO-802 350W**



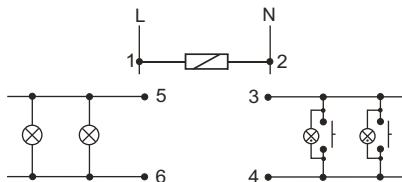
supply		230
current load	<1,5A	
maximum power of light bulbs connected		
current pulse duration		
power consumption		
working temperature		
connection	$^2, I=10\text{cm}$	
dimensions	$\varnothing 55, h=13\text{mm}$	
fixing	$\varnothing 60\text{mm}$	
overcurrent protection	WTA 5x20	fu

**SCO-812 350W**



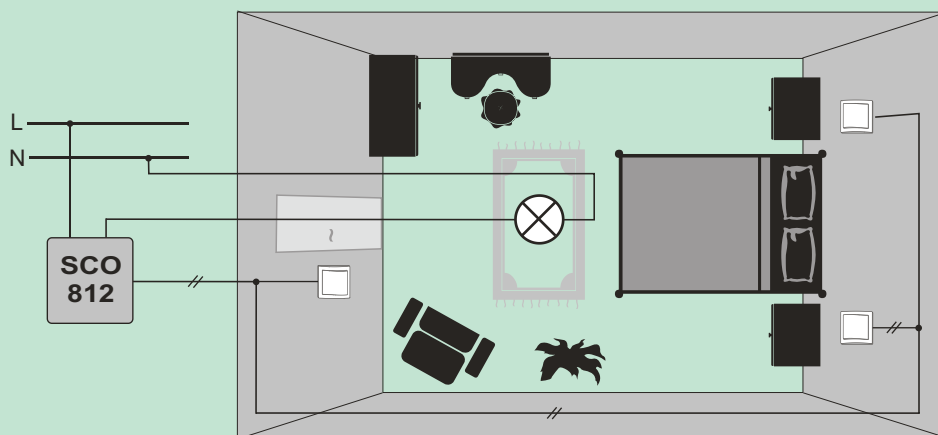
supply		230
current load	<1,5A	
maximum power of light bulbs connected		
current pulse duration		
power consumption		
working temperature		
connection	screw terminals 2,5mm	
dimensions	1 module (18mm)	
fixing	on rail TH-35	
overcurrent protection	WTA 5x20	

**SCO-814 1000W**



supply		230
current load	<4,5A	
maximum power of light bulbs connected		
current pulse duration		
power consumption		
working temperature		
connection	screw terminals 2,5mm	
dimensions	modules (52,5mm)	
fixing	on rail TH-35	
overcurrent protection	WTA 5x20	fu

**PRACTICAL SOLUTIONS**



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