



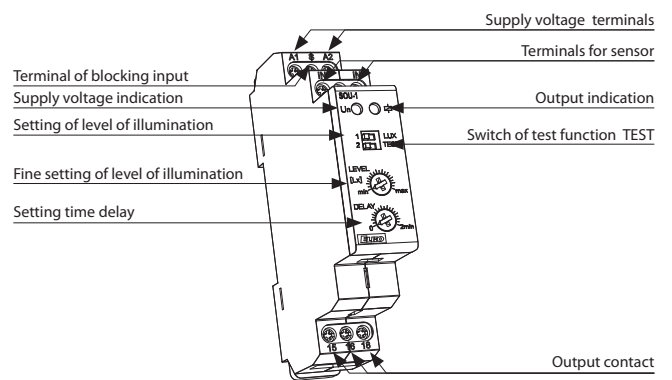
FAN code
 SOU-1/230V + SKS: 8595188121002
 SOU-1/UNI + SKS: 8595188121019
 Photosensor SKS: 8594030337288

SKS

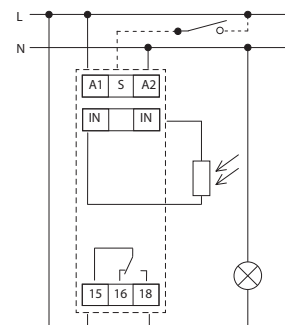
Technical parameters		SOU-1
Supply terminals:		A1 - A2
Voltage range:	UNI	AC/DC 12 - 240 V (AC 50 - 60 Hz)
Burden (max.):		AC 0.7 - 3 VA / DC 0.5 - 1.7 W
Voltage range:	230	AC 230 V / 50 - 60 Hz
Power input (apparent/loss):		AC max. 12 VA / 1.8 W
Max. dissipated power (Un + terminals):		3.5 W
Supply voltage tolerance:		-15 %; +10 %
Supply indication:		green LED
Time delay:		0 - 2 min
Time delay setting:		potentiometer
Illumination rang 1):		1 - 100 lx
Illumination rang 2):		100 - 50000 lx
Output		
Number of contacts:		1x changeover / SPDT (AgSnO ₂)
Current rating:		16 A / AC1
Breaking capacity:		4000 VA / AC1, 384 W / DC
Inrush current:		30 A / < 3 s
Switching voltage:		250 V AC1 / 24 V DC
Output indication:		red LED
Mechanical life:		3x10 ⁷
Electrical life (AC1):		0.7x10 ⁵
Control		
Power the control input:		0.8 - 530 mVA
Load between S-A2:		Yes
Control. terminals:		A1-S
Glow tubes connetions:		230 V - Yes / UNI - No
Max. amount of glow lamps connected to controlling input:		UNI - glow lamps cannot be connected, 230 V - max. amount 20 pcs (measured with glow lamp 0.68 mA / 230 V AC)
Impulse length:		min. 25 ms / max. unlimited
Reset time:		150 ms
Other information		
Operating temperature:		-20 °C to +55 °C (-4 °F to 131 °F)
Storage temperature:		-30 °C to +70 °C (-22 °F to 158 °F)
Electrical strength:		4 kV (supply - output)
Operating position:		any
Mounting:		DIN rail EN 60715
Protection degree:		IP40 from front panel / IP20 terminals
Sensor cable length:		max. 50 m (standard wire)
Overvoltage category:		III.
Pollution degree:		2
Max. cable size (mm ²):		solid wire max. 1x 2.5 or 2x 1.5 / with sleeve max. 1x 2.5 (AWG 12)
Dimensions of the sensor SKS:		66 x Ø 23.5 mm (2.6" x Ø 0.9")
Weight of sensor SKS:		15 g (0.5 oz.)
Dimensions:		90 x 17.6 x 64 mm (3.5" x 0.7" x 2.5")
Weight:		(UNI) - 76 g (2.7 oz.), (230) - 73 g (2.6 oz.)
Standards:		EN 60255-6, EN 61010-1

- Is used to control lights on the basis of ambient light intensity.
- Used for switching street illumination and garden lights, illumination of advertisements, shop windows, etc.
- Level of ambient intensity is monitored by an external sensor and output is switched according to set level on the device.
- Control input for additional control, e.g. time switch, preswitch etc.
- Level of illumination adjustable in two ranges:
 - 1 - 100 lx and 100 - 50000 lx.
- Adjustable time delay to eliminate short term fluctuation in illumination.
- External sensor IP44 suitable for mounting on the wall (cover and holder of a sensor are a part of the package).
- Supply voltage AC 230 V or AC/DC 12 - 240 V.
- Output contact: 1x changeover/ SPDT 16 A.
- Red LED output indication.
- 1-MODULE, DIN rail mounting.

Description

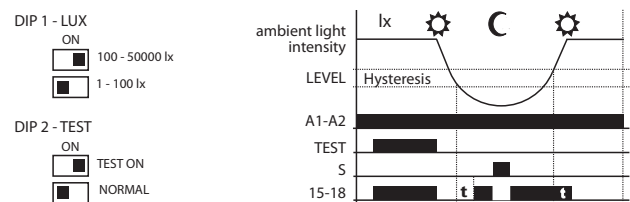


Connection

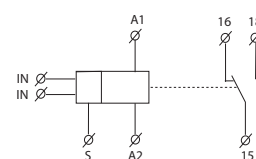


Description of DIP switch

Function



Symbol





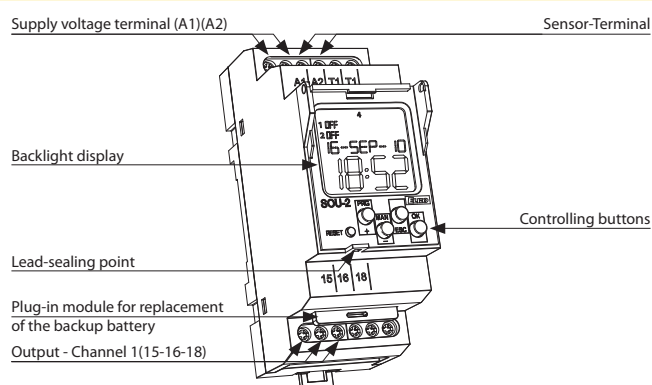
EAN code
SOU-2 + SKS: 8595188130523
SOU-2: 8595188121644
Photosensor SKS: 8594030337288

SKS

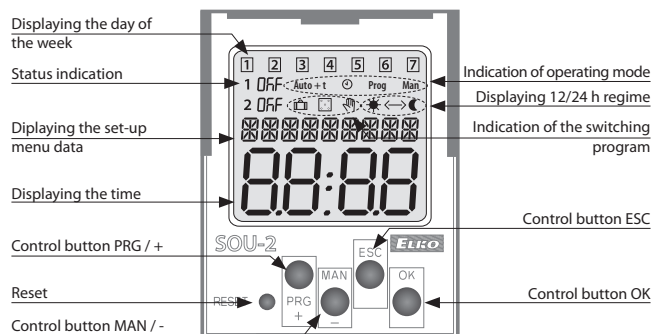
Technical parameters		SOU-2
Supply terminals:	A1 - A2	
Voltage range:	AC 230 V / 50 - 60 Hz	
Burden:	max. 4 VA / 1.5 W	
Max. dissipated power (Un + terminals):	3 W	
Voltage range:	-15 %; +10 %	
Back-up supply:	yes	
Type of backup battery:	CR 2032 (3V)	
Summer / winter time:	automatic	
Output		
Number of contacts:	1x changeover / SPDT (AgSnO ₂)	
Current rating:	8 A / AC1	
Breaking capacity:	2000 VA / AC1, 240 W / DC	
Switching voltage:	250 V AC1 / 30 V DC	
Mechanical life:	3x10 ⁷	
Electrical life (AC1):	1x10 ⁵	
Time circuit		
Power back-up:	3 years	
Accuracy:	max. ±1 s day (23 °C / 73.4 °F)	
Minimum interval:	1 min	
Data stored for:	min. 10 years	
Program circuit		
Illumination range:	10-50000 lx	
Sensor failure indication:	displayed on LCD*	
Program place number:	100	
Program period:	daily, weekly, yearly	
Data readout:	LCD display, illuminated by back up	
Other information		
Operating temperature:	-10 °C to +55 °C (-4 °F to 131 °F)	
Storage temperature:	-30 °C to +70 °C (-22 °F to 158 °F)	
Electrical strength:	4 kV (supply - output)	
Operating position:	any	
Mounting:	DIN rail EN 60715	
Protection degree:	IP40 from front panel / IP20 terminals	
Overtoltage category:	III.	
Pollution degree:	2	
Max. cable size (mm ²):	solid wire max. 1x 2.5 or 2x 1.5, with sleeve max. 1x 1.5 (AWG 12)	
Dimensions:	90 x 35.6 x 64 mm (3.5" x 1.4" x 2.5")	
Weight:	139 g (4.9 oz.)	
Dimensions of the sensor SKS:	66 x Ø 23.5 mm (2.6" x Ø 0.9")	
Weight of sensor SKS:	15 g (0.5 oz.)	
Standards:	EN 61812-1, EN 61010-1, EN 60255-6; EN 60730-1; EN 60730-2-7	

- Is used for control of lights on the basis of ambient light intensity and real time (combination of SOU-1 and time switch clock SHT-1 in one device).
- Time clock can override the light sensor for applications when lights are not required.
- Adjustable light intensity 10-50000 lx.
- Function „random switching“ enables simulation of presence in a house when nobody is at home.
- Switching: according to a program (AUTO) / permanently manual / random (CUBE).
- External sensor IP44 issuitable for mounting on the wall / in panel (cover and sensors are part of delivery).
- Sealable transparent cover of front panel.
- Backup of data and time by battery (reserve battery up to 3 years).
- Easy replacement of backup battery with plug-in module located on front panel of device (no disassembly required).
- 2-MODULE, DIN rail mounting .

Description

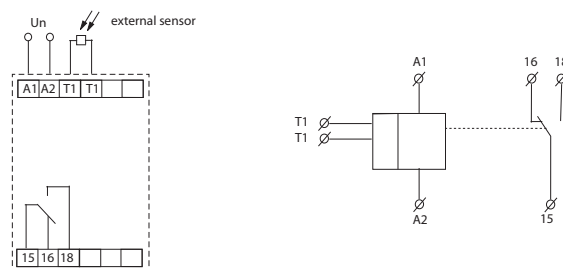


Description of visual elements on the display



Connection

Symbol



Plug-in module



with battery backup

without battery backup

* ERROR - sensor short circuit



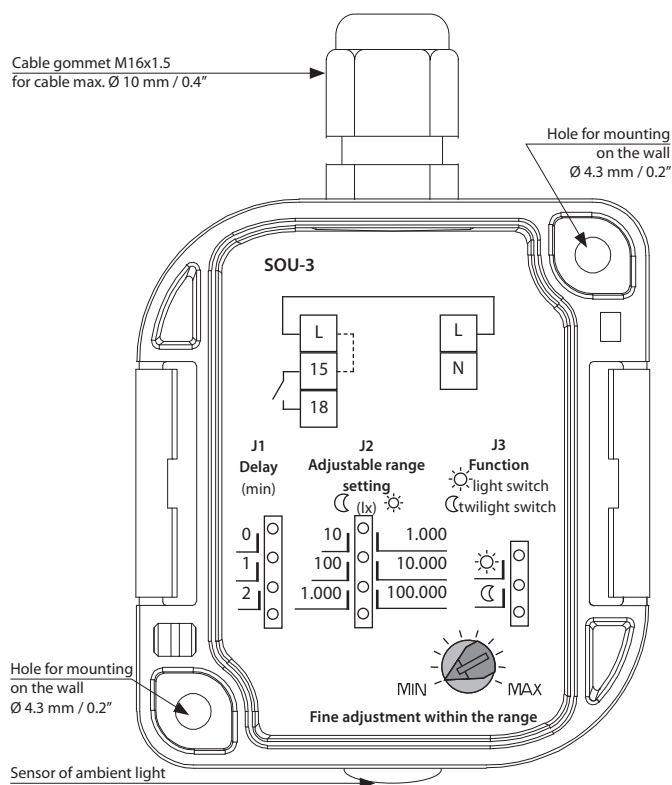
EAN code
SOU-3 / 230 V: 8595188140560

Technical parameters		SOU-3
Supply		
Supply terminals:	L - N	
Voltage range:	AC 230 V / 50 - 60 Hz	
Input (apparent/loss):	max. 6 VA / 0.7 W	
Max. dissipated power (Un + terminals):	2.5 W	
Tolerance of voltage range:	- 15 % .. +10 %	
Setting the scale level of lighting	by jumper J2	
Function ☾ (twilight switch)		
- range 1:	1 ... 10 lx	
- range 2:	10 ... 100 lx	
- range 3:	100 ... 1.000 lx	
Function ☀ (light switch)		
- range 1:	100 ... 1 000 lx	
- range 2:	1 000 ... 10 000 lx	
- range 3:	10 000 ... 100 000 lx	
Setting function	by jumper J3	
Level of light-slight:	0.1 ... 1 x range	
Slight setting of light level:	potentiometer	
Time delay t:	0 / 1 min. / 2 min.	
Delay setting t:	by jumper J1	
Output		
Output contact:	1x NO- SPST (AgSnO ₂)	
Current rating:	12 A / AC1	
Switching output:	3000 VA / AC1, 384 W / DC	
Peak current:	30 A / < 3 s	
Switched voltage:	250 V AC / 24 V DC	
Mechanical life:	3 x 10 ⁷	
Electrical life:	0.7 x 10 ⁵	
Other information		
Operation temperature:	-30 °C to +60 °C (-22 °F to 140 °F)	
Storing temperature:	-30 °C to +70 °C (-22 °F to 158 °F)	
Electrical strength:	4 kV (supply-output)	
Operation position:	sensor-side down or on the sides	
Protection degree:	IP 65	
Overvoltage category:	III.	
Pollution level:	2	
Max. cable size (mm ²):	max. 1x 2.5, max. 2x 1.5 / with sleeve max. 1x 2.5 (AWG 12)	
Suggested power-supply cable:	CYKY 3x 2.5 (CYKY 4x 1.5)	
Dimensions:	98 x 62 x 34 mm (3.9" x 2.4" x 1.3")	
Weight:	117 g (4.1 oz.)	
Standards:	EN 60255-6, 61010-1	

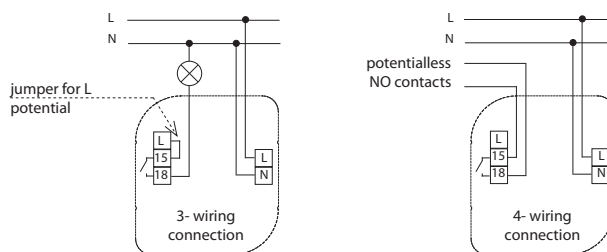
Device is standardly supplied with jumper L-15 (3-wire connection). For the correct function of device is necessary sensor-side down device mounting.

- Is used as control of the device on the basis of ambient light intensity.
- External version in IP65, box for mounting on the wall, front cover removable without screws.
- Built in high resolution light sensor.
- Two devices in one, function is set by jumper:
 - twilight switch - contact closes by decreasing of ambient light intensity, and opens by its increasing.
 - light switch - contact closes by increasing ambient light intensity, and opens by decreasing light intensity. Used for switching of devices by reaching of pre-set ambient light level, usually sun shine (pulling down the shutters or blinds, activation of solar panels).
- 3 adjustable (by jumper) ranges of light level.
- 3 adjustable levels of time delay (for elimination of short-term fluctuations of light intensity - for short increases in light intensity).
- Supply voltage 230 V AC.
- Potential-free output contact 12 A / AC1 switching.

Description



Connection



Function

