



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

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	SOU-2
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 AC / 30 V DC
Mechanical life:	3x10 ⁷
Electrical life (AC1):	1x10 ⁵

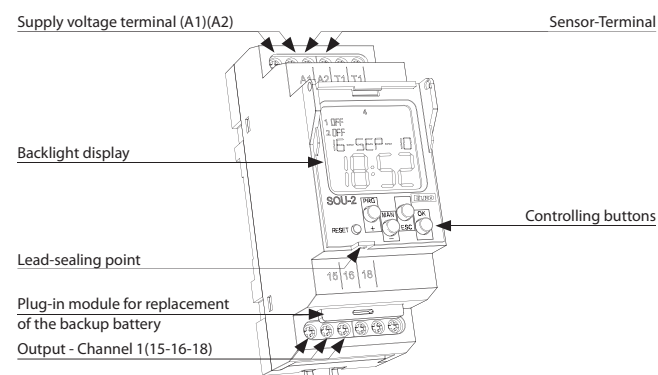
Time circuit	SOU-2
Power back-up:	3 years
Accuracy:	max. ±1 s day (23 °C / 73.4 °F)
Minimum interval:	1 min
Data stored for:	min. 10 years

Program circuit	SOU-2
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

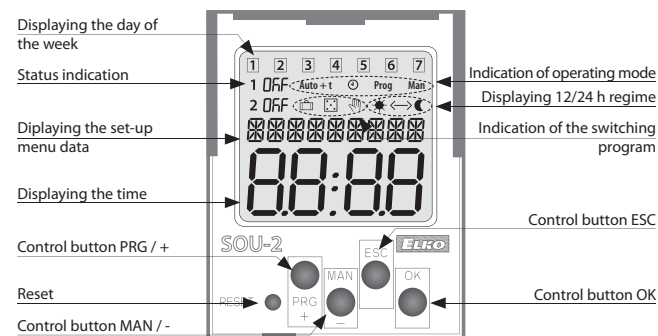
Other information	SOU-2
Operating temperature:	-10 °C to +55 °C (-4 °F to 131 °F)
Storage temperature:	-30 °C to +70 °C (-22 °F to 158 °F)
Electrical strength:	4 kV (supply - output)
Operating position:	any
Mounting:	DIN rail EN 60715
Protection degree:	IP40 from front panel / IP20 terminals
Overvoltage category:	III.
Pollution degree:	2
Max. cable size (mm ²):	solid wire max. 1x 2.5 or 2x 1.5, with sleeve max. 1x 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 .

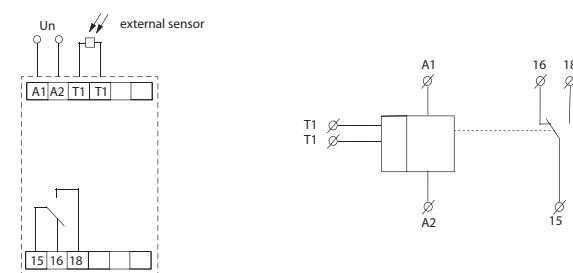
Description



Description of visual elements on the display



Connection



Plug-in module



* ERROR - sensor short circuit



EAN code
SOU-3 /230V: 8595188140560

Technical parameters	SOU-3
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	SOU-3
Function ☾ (twilight switch)	by jumper J2
- 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

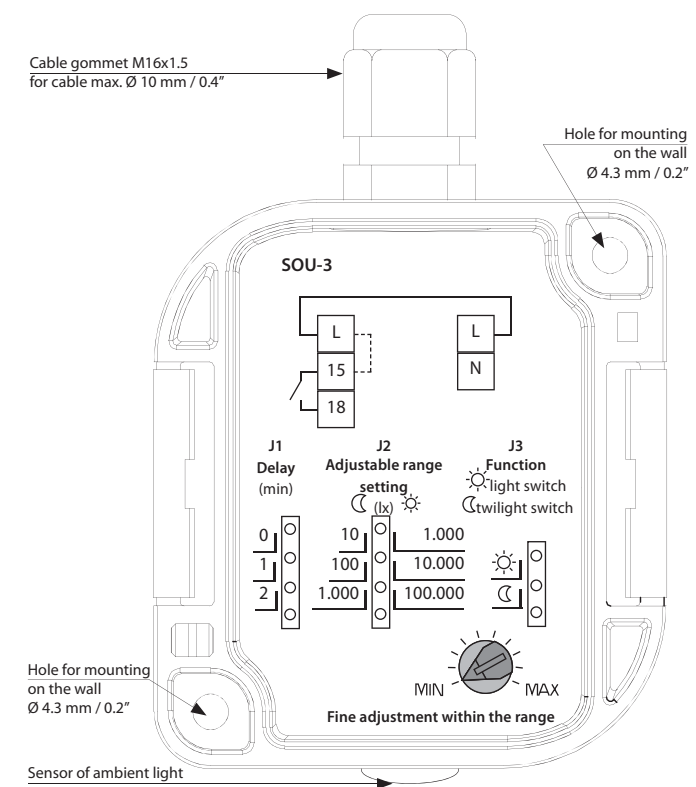
Output	SOU-3
Output contact:	1x NO- SPST (AgSnO ₂)
Current rating:	12 A / AC1
Switching output:	3000 VA / AC1, 384 W / DC
Peak current:	30 A / < 3 s
Switched voltage:	250 V AC / 24 V DC
Mechanical life:	3 x 10 ⁷
Electrical life:	0.7 x 10 ⁵

Other information	SOU-3
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

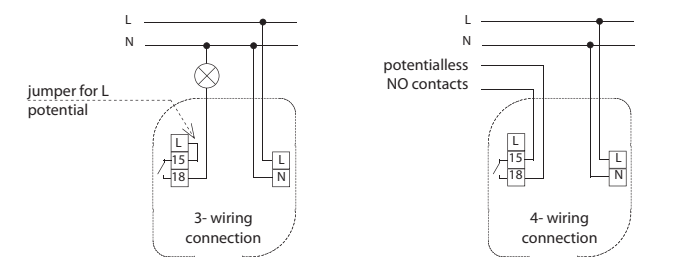
Device is standardly supplied with jumper L-15 (3-wire connection). For the correct function of device is necessary sensor-side down device mounting.

- 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.

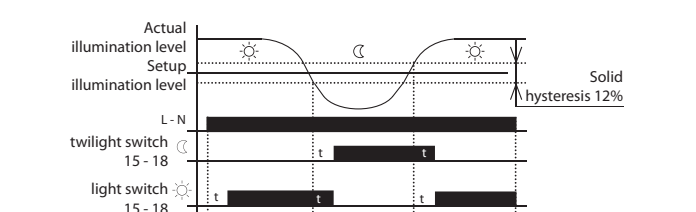
Description



Connection



Function



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