

## Twilight switch SOU-1 + sensor



- Advantages**
- 1-module, DIN rail mounted
  - Supply voltage: AC 230 V
  - Switches according to level ambient light intensity
  - Adjustable time pause to eliminate short-term illumination peaks
  - Adjustable level of light intensity in 2 ranges 100-50000 Lx and 1-100 Lx
  - Controlling input for additional control inputs, e.g. time switch
  - External sensor, protection degree IP55, suitable for mounting on the wall (supplied by switch)
  - Output contact: 1x changeover 16A / AC1
  - LED output indication

Twilight switch SOU-1			
Type	Code No.	Weight [g]	Packaging [pcs]
SOU-1	002470011	65	1

\* Sensor for twilight switch SOU-1 also available separately (code No. 002470052)  
 Sensor tolerance ±33%

## Twilight switch with digital time switch SOU-2 + sensor



- Advantages**
- 2-module, DIN rail mounting
  - Supply voltage: AC 230 V
  - Adjustable light intensity 1-50000 lx
  - Serves 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)
  - The advantage of real time consists in the blocking function of the twilight switch in the case of an uneconomical use of lights (night hours, weekends etc.)
  - Function of random switching enables simulation of presence when nobody is in the building
  - Switching: according to the program (AUTO) / permanently manual / random (CUBE)
  - External sensor IP56 is suitable for mounting on the wall/ in panel (cover and sensors are part of delivery)

Twilight switch with digital time switch SOU-2 + sensor				
Type	In [A]	Code No.	Weight [g]	Packaging [pcs]
SOU-2 + sensor	16	002470020	130	1

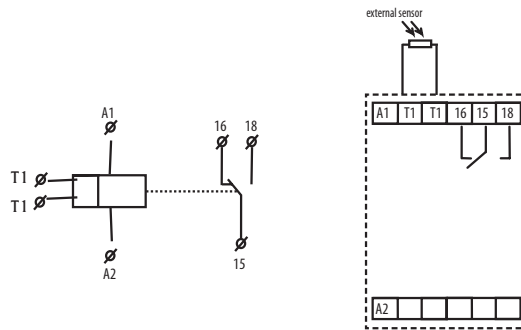
\* Sensor for twilight switch SOU-1 also available separately (code No. 002470052)  
 Sensor tolerance ±33%

# Twilight switch with digital time switch SOU-2 + sensor

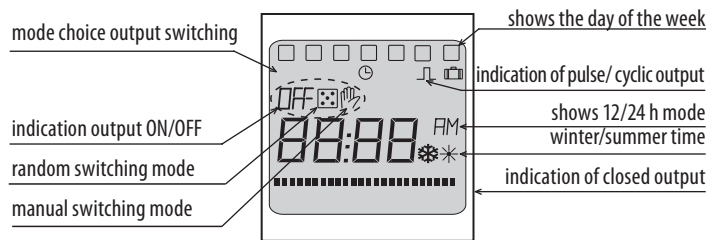
**Technical data**

	SOU-2
Supply	A1-A2
Supply voltage	230 V AC (50-60Hz)
Consumption	max. 3,5 VA
Supply voltage tolerance	-15% ; +10%
Back-up supply	yes
Summer/winter time	automatic
<b>Output</b>	
Number of contacts	1 changeover (AgNi)
Rated current	8 A / AC1
Breaking capacity	2500 VA / AC1, 240W / DC
Switching voltage	max. 250 V AC1 / 24 V DC
Min. breaking capacity DC	500 mW
Mechanical life	1x10 <sup>7</sup>
Electrical life	1x10 <sup>5</sup>
<b>Time circuit</b>	
Back-up supply	3 years
Accuracy	max. +/- 1s. day (23°C)
Minimal interval	1 min.
Data stored for	min. 10 years
<b>Program circuit</b>	
Illumination range	1-50000 Lx
Program place number	100
Program	daily, weekly
Data readout	LCD display
<b>Controlling</b>	
Operating temperature	-20...+55 °C
Storage temperature	-30...+70 °C
Electrical strength	4kV (supply - output)
Operating position	any
Mounting	DIN rail EN 60715
Protection degree	IP 20 from front panel
Overtoltage category	III.
Pollution degree	2
Max. cable size	2.5 mm <sup>2</sup>
Dimensions	90 x 35,6 x 64 mm
Standards	EN 61812-1, EN 61010-1, EN 60255-6

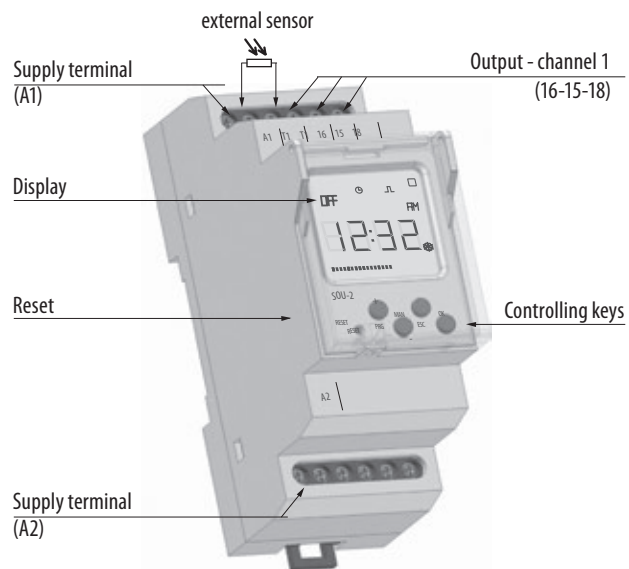
**Connection**



**Controlling elements**



**Description**

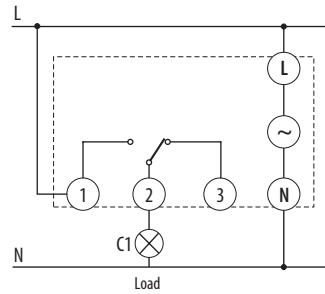


# Digital time switch ETICLOCK-R1

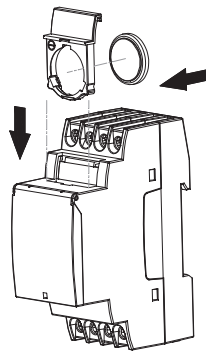
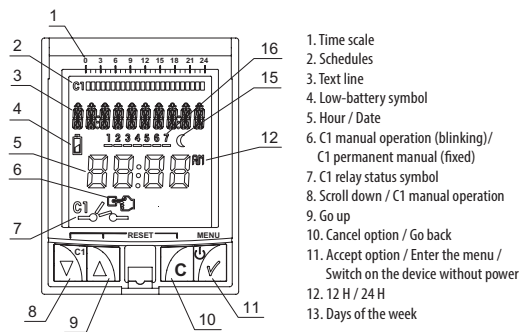
## Technical data

	ETICLOCK-R1
Rated voltage and frequency As indicated on the device	(230 V~ 50-60Hz)
Breaking capacity	$\mu$ 1x16 (10) A / 250 V AC
Own consumption	16 VA (1.3 W) max
Contact	AgSnO2 switched
Display screen	LCD
Running accuracy	$\pm$ 1 s / day at 23 °C
Accuracy variation with temperature	$\pm$ 0.15 s / °C / 24 h
Power reserve	4 years (with battery and no network connection) 48 h (no battery and no network connection)
Memory spaces	40
No. of channels	1
Types of operations	ON/OFF, PULSE (1 ... 59 sec.) & CYCLES (1 ... 59 sec. / 1 min ... 23h, 59 min)
Operating temperature	-10 °C ... +45 °C
Transport and storage temperature	-20 °C ... +60 °C
Pollution degree	2
Protection level	IP 20 (EN60529)
Protection class	II under correct mounting conditions
Transient impulse voltage	2.5 kV
Temperature for the ball test	+ 80 °C (21.2.5)
Keyboard access cover	Sealable
Connection	With screw terminal for wire cross section of up to 4mm <sup>2</sup>
Battery	CR2032 - 3 V - 220 mAh
Size	2x DIN mod. (35 mm)

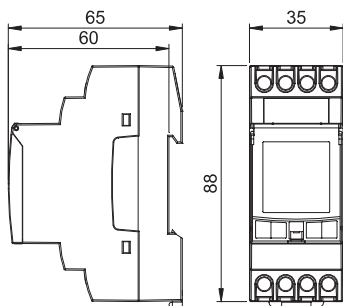
## Connection



## Controlling elements



## Dimensions



## Maximum recommended loads

Load	Designation	Max. load
Incandescent		3000 W
Fluorescent		1200 VA
Low voltage halogen (12 V)		2000 VA
Halogen (230 V)		3000 W
Low consumption lamps		600 VA
Downlights		400 VA
LED	LED	90 VA