



- used to control blinds, awnings, lights and other appliances in relation to the ambient light intensity level
- outdoor design in IP65 designed for wall mounting
- built-in light sensor
- two devices in one, functions are chosen by rotary switch:
 - 1 twilight switch - switches upon a drop in ambient light intensity, switches off upon increase. Used for switching on lighting at twilight and at night (street and garden lighting, advertisement illumination, shop windows)
 - 2 light switch - switches upon an increase in ambient light intensity, switches off upon decrease. Used for switching equipment when reaching the set ambient light level, usually by sunlight (dimming - blinds or awnings, solar panels - activation)
- 3 adjustable ranges of light level with option of fine-tuning
- 3 adjustable time delay values (for eliminating short fluctuations in light intensity – ex. glare of automobile reflectors) power by batteries 2x AAA 1.5V, battery life up to 2 years (based on amount of controlled units)
- option of programming up to 32 actuators
- compatibility with actuators:
 - switches RFSa- 6x and RFSa-61
 - dimmers RFDA-71 and RFDSC-71
 - blind RFJA- 12B
 - signal repeater RFRP-20
 - with RF Touch unit

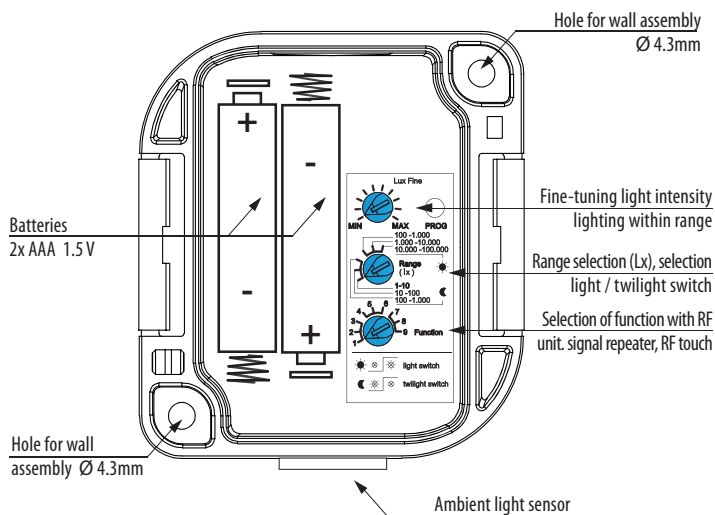
CONTROL ELEMENTS



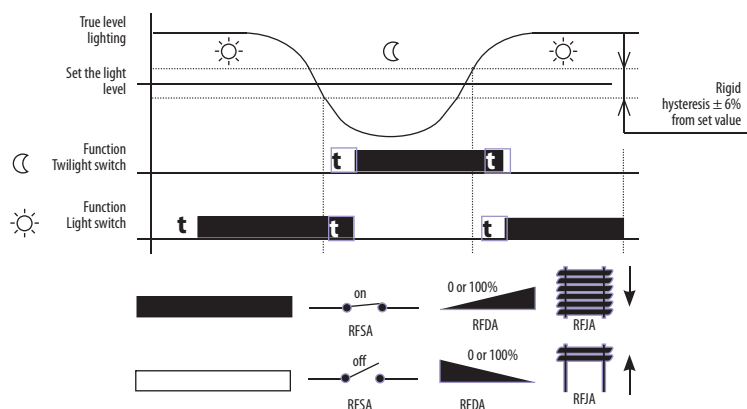
EAN code
RFSOU-1: 8595188146814

Technical parameters	RFSOU-1
Power	2x1.5 batteries AAA
Battery life	around 2 years (based on number of controlled units)
Setting light level range	
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 functions:	rotating switch
Fine-tuned lighting level:	0.1 ... 1 x rozsah
Fine-tuned setting of lighting level:	potencoimentrem
Time delay t:	0 / 1 min. / 2 min.
Delay setting t:	rotating switch
Output	
Sending communication RF packet:	868 MHz
Range in the open:	up to 160 m
Further data	
Working temperature:	-20.. +50°C*
Storage temperature:	-30 .. +70°C
Working position:	sensor down and to sides
Degree of protection:	IP65
Pollution degree:	2
Dimensions:	72 x 62 x 34 mm
Weight:	104 g
Relating standards:	EN 60730-1, EN 300 220, EN 301 489 regulations RTE, NVČ. 426/2000sb

Device description



Function

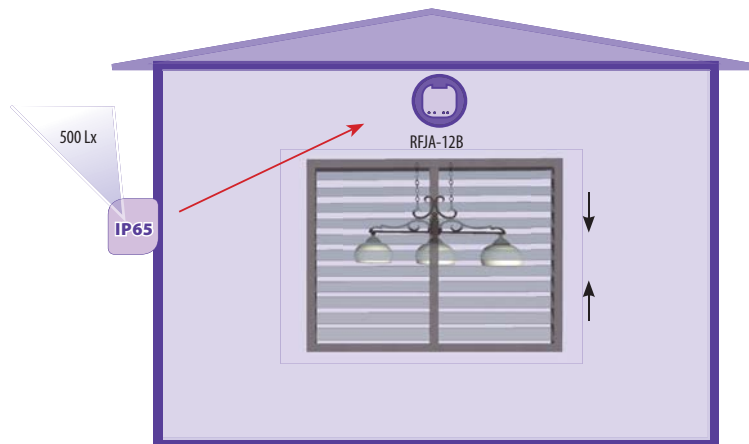


*Note pay attention to the working temperature of the batteries

A

1. The light switch function is used when based on the set lighting value it sends commands to the RFJA, which then pulls the blinds up or down.
Examples of product use:

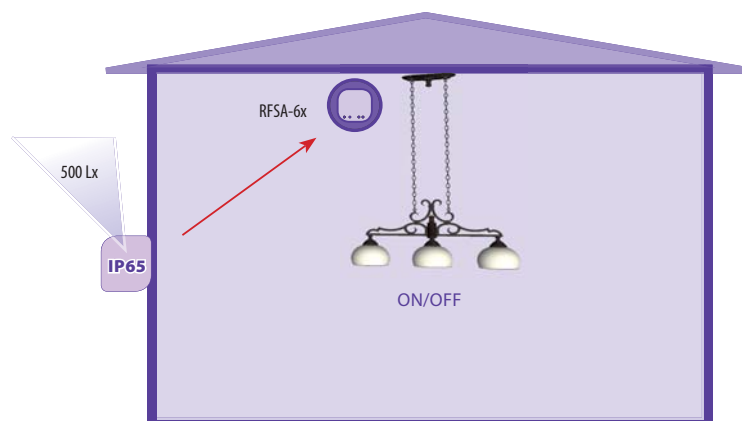
- when the sun is shining at a higher value than the one that is set, it automatically gives the command to pull down the shades or blinds, and if illumination drops, they go back up.



B

Twilight or light switch functions are used:

- twilight: after reaching the set ambient light level (ex. 50 Lx) a billboard or advertisement switches on.
- light: after reaching the set ambient light level (ex. 500 Lx) the automatic light switches off in the office, restaurant or manufacturing hall.



C

The twilight function is used when the switch sends a wireless command to the unit RF Touch, which then, based on set conditions, sends a command for the RFS-6x to switch on.

