



Technical parameters		RFSOU-1
Power supply:	2 x 1.5 battery AAA	
Battery Life:	Appr. 2 years, according to the number of controlled units	
Setting the range of light levels		
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	
Function setting:	rotary switch	
The level of lighting gently:	0.1 ... 1 x range	
Fine adjustment of lighting levels:	potentiometer	
The time delay t:	0 / 1 min. / 2 min.	
Setting the delay time t:	rotary switch	
Output		
Sending RF communication packet:	866 MHz, 868 MHz, 916 MHz, 922 MHz	
Range in free space:	up to 160 m	
Other data		
Working temperature:	-20 to +50°C*	
Storage temperature:	-30 to +70°C	
Operating position:	sensor side down	
Protection:	IP65	
Degree of pollution:	2	
Dimension:	72 x 62 x 34 mm	
Weight:	104 g	
Standards:	EN 60730-1, EN 300 220, EN 301 489 R&TTE Directive, Order. No 426/2000 Coll. (Directive 1999/EC)	

*Note: pay attention to the operating temperature of batteries.

- The wireless twilight dimmer measures the light intensity and based on a set value, it sends the command to switch on the lights or pull the blinds up or down.
- It can be combined with multifunctional switching units and blind switches.
- The increased IP65 protection is suited to mounting on the wall or in harsh environments.
- Integrated sensor for measuring illumination, settable in 3 ranges 1-100,000 lx.
- Selection of function:
 - a) twilight switch – automatically switches on upon a decrease in ambient light intensity, switches off upon an increase (appropriate for garden lights, advertisements, public lighting, etc.).
 - b) light switch – automatically switches on upon an increase in ambient light intensity, switches off upon a decrease (appropriate for offices, restaurants, rooms, etc.).
- Settable delay up to 2 minutes to eliminate unwanted switching caused by surrounding influences.
- The twilight switch may control up to 32 units in the installation.
- The programming button on the regulator is used for:
 - a) setting a function with a switching or blind unit
 - b) ascertaining battery status
 - c) ascertaining signal quality between the unit and dimmer.
- Battery power (1.5 V / 2 x AAA - included in supply) with battery life of around 2 years based on the number of controlled units.
- Range up to 160 m (in open space), if the signal is insufficient between the controller and unit, use the signal repeater RFRP-20.
- Communication frequency with bidirectional protocol iNELS RF Control.

Device description

