

Instructions – blaugelb Sun Sensor

For convenient sun protection in your home.



Radio frequency:	433.92 MHz
Operating temperature:	-10 °C to 50 °C
Intensity level:	from 15,000 to 75,000 lux
Battery:	CR2032 (3 V)
Weight:	0.2 kg
Dimensions:	47 x 47 x 30 mm

Product name	PU	Item no.
blaugelb Sun Sensor	1 piece	9128397

Changing the battery:

At a battery voltage under 2.6 volts, the sun sensor flashes **10x every two minutes**. A prompt battery change is necessary in this case.

1. Remove the screw with a Phillips screwdriver
2. Carefully open the housing at the side with a solid object, e.g. with a flat head screwdriver
3. The battery protective foil can now be removed and the inserted battery can now be replaced by a new one of the same type (CR2032)



To fit the housing back together again, carefully press this together until it engages.

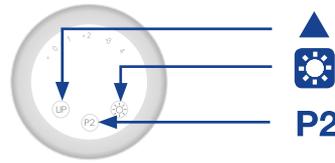
Notes:

Before the sensor can be put into operation, the battery protective foil must be removed.

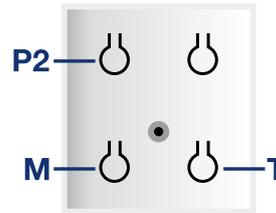
The programming, which usually consists of a combination of buttons, must be carried out within 10 seconds. The application is intended for dry environments (IP54).

Programming:

Buttons of the sun sensor:



Back of a blaugelb Radio Hand-Held Transmitter:



A total of 3 different operating modes are available:

Mode	Details
Mode 1 (man)	<ul style="list-style-type: none"> Automatic closing after 2 minutes (when the sun value is exceeded) Manual opening (directly at the sensor or the transmitter)
Mode 2 (auto+)	<ul style="list-style-type: none"> Automatic closing after 2 minutes (when the sun value is exceeded) Automatic opening every 15 minutes Automatic closing after 2 minutes (when the sun value is exceeded again)
Mode 3 (auto)	<ul style="list-style-type: none"> Automatic closing after 2 minutes (when the sun value is exceeded) Automatic opening after 15 minutes (when the sun value is no longer exceeded)

When the **sun button** is pressed and held (approx. 10 s), the sun sensor flashes **5x** to signal that the operating mode can be selected. Pressing the button again briefly scrolls through the individual operating modes. These run through one after the other in an endless loop. Once the desired mode has been reached, nothing more needs to be done; the sensor automatically remembers the set operating mode.

- Mode 1 = sensor flashes 1x**
- Mode 2 = sensor flashes 2x**
- Mode 3 = sensor flashes 3x**

Teaching the blaugelb Sun Sensor:

(The **P2** button is located here on the back of a **radio hand-held transmitter**)

Before the blaugelb Sun Sensor can be used, a radio hand-held transmitter or radio wall mounted transmitter that has already been taught must be assigned to the respective roller shutter motor or the external receiver.

Action	Execution and comment
At taught radio hand-held transmitter or radio wall mounted transmitter	
01	P2 Press button, roller shutter motor beeps and turns
02	P2 Press button again, roller shutter motor beeps and turns

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At the sun sensor		
03	P2	Press button, roller shutter motor beeps and turns
04		Teaching process completed

After teaching, the **UP button** can be pressed to check directly at the sun sensor whether this was correctly integrated. The roller shutter moves up when the button is pressed.

If it moves down instead, the direction of movement of the taught transmitter must be changed. For details, refer to the respective instructions for the used product.

Setting the sun threshold value:

The desired sun threshold value is set by repeatedly pressing the **sun button**  and can be read off at the scale.

Scale	Execution and comment	Brightness
0	Automatic sun function is switched off	-
1	High sensitivity = automatic closing occurs at low sun intensity	15,000 lux (recommended value)
2	Medium sensitivity = automatic closing occurs at moderate sun intensity	25,000 lux
3	Low sensitivity = automatic closing occurs at high sun intensity	50,000 lux
4	Very low sensitivity = automatic closing occurs at very high sun intensity	75,000 lux

Checking the current sun intensity:

The current sun intensity is measured by simultaneously pressing and holding the **sun button**  and the **P2** button and can be read off at the scale (from 0 to 4). If the display is at 0 after the measurement, the sun intensity level is less than 1.

By pressing any button or after no longer than approx. 2 minutes, the sun intensity measurement is interrupted and the sensor returns to the normal operating mode.