

RGBW EnOcean controller user manual

SR-EN9003



Parameter

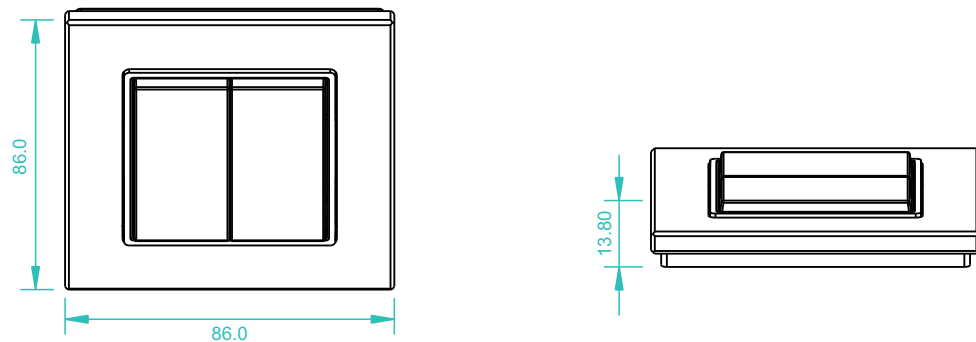
Remote

| Part No. | Operation Voltage | Operation Frequency | Dimensions | Remarks |
|-----------|-------------------|---------------------|------------|---------|
| SR-EN9003 | No battery | 868.3MHz | 86x86x13.8 | RGBW |

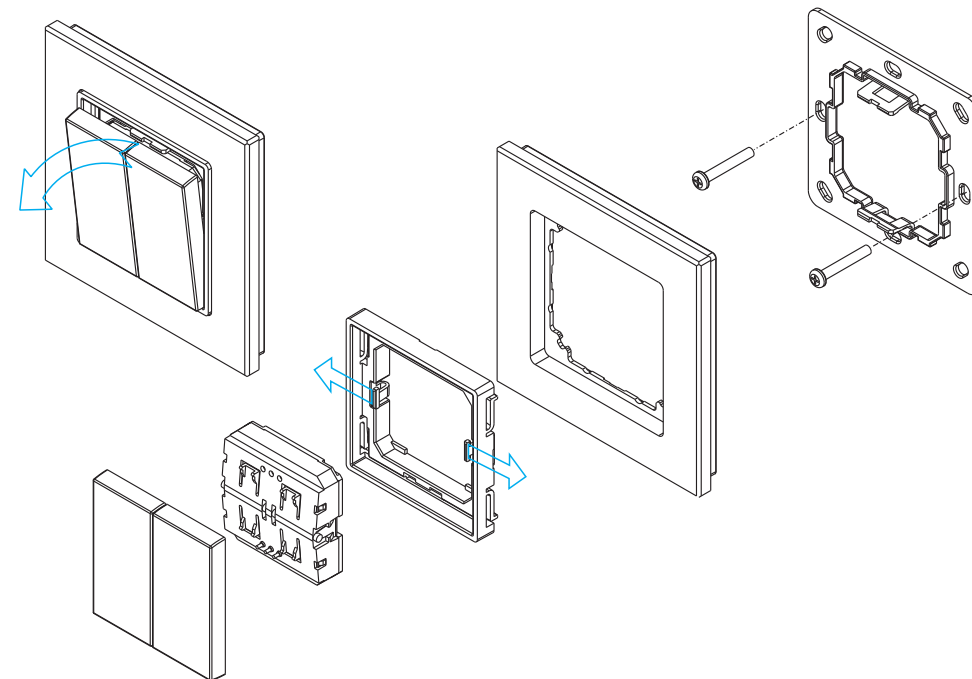
Receiver

| Part No. | Input Voltage | Current | Output | Remarks |
|-------------|---------------|---------|---------------|------------------|
| SR-EN9103 | 12-36VDC | 4x5A | 4x(60-180)W | Constant voltage |
| SR-EN9103P3 | 12-36VDC | 4x350mA | 4x(4.2-12.6)W | Constant current |
| SR-EN9103P7 | 12-36VDC | 4x700mA | 4x(8.4-25.2)W | Constant current |

Product Size



Installation



Description of function

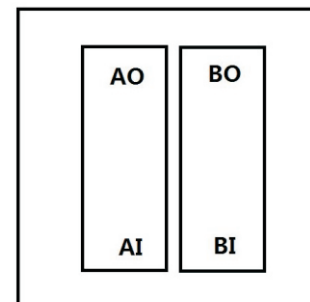
EnOcean enables the implementation of wireless remote controls without batteries. Power is provided by a built-in electrodynamic power generator.

The switches are battery-less, thanks to energy harvesting technology, and are maintenance-free, energy is generated by pressing the enOcean button. Similarly a radio signal is sent when button is released, allowing for dimmer and blinds control.

Key function:

- * Choice of dual rocker
- * self powered : batteryless and wireless
- * EnOcean RF technology
- * High tempered glass frame
- * Transmission range 300m free field, typ. 30 m indoor

EnOcean switch for 1 ZONE (1 receiver)



EnOcean Switch

1.(AO)

Switch on /off button (short press)

2. (BO)

Save or recall color button

Short press: recall saved color

Hold finger down: save the previous color

Saved color in default:

o Switch between saved Colours.

o Press short: red

o Next short press:green

o Next short press:blue

o Next short press: warmwhite

o Next short press:red + green

o Next short press:green+blue

o Next short press:blue+red

o Next short press:red+green+blue

3.(AI)

Short press on AI is for speed up / speed down.

At the 1st hold , speed goes faster.

At the 2nd hold , speed goes slower.

The fastest speed is 5S.

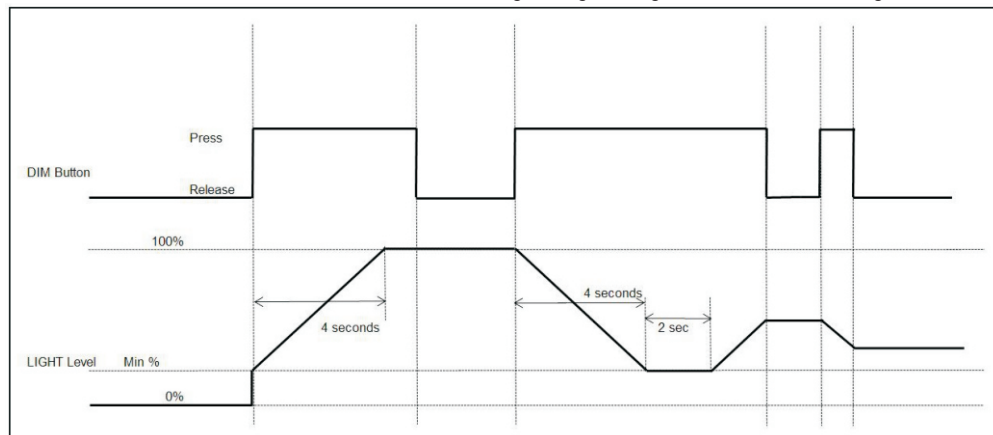
The slowest speed is 1H.

There are 12 levels of speed:

5S 10S 20S 40S 80S 160S 320S 640S 1280S 2560S 3200S 3600S

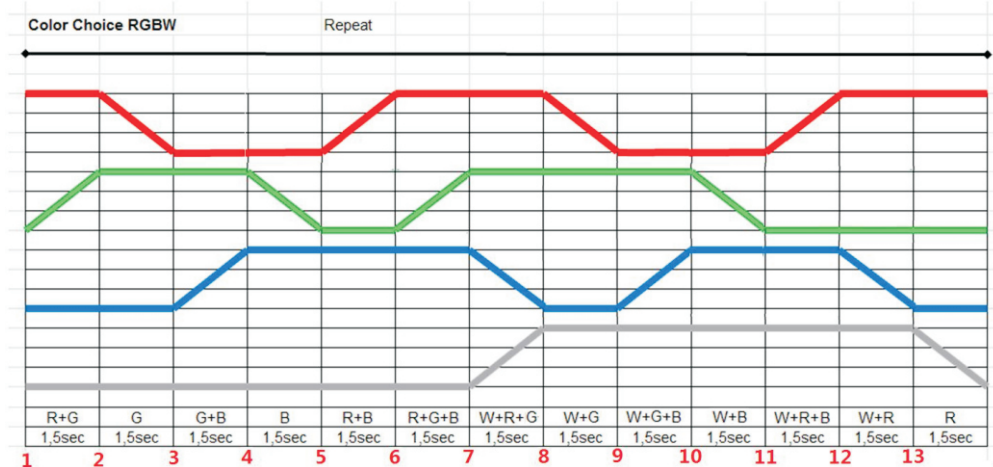
Hold finger down to dim is for brightness dimming.

Power on, it will dim brighter at the 1st time, it will dim darker at 2nd time. But if dim to the brightest level at the 1st time, then it needs dim darker, then hold finer down again, it goes brighter, it will dim according below curve:



4. (BI)

Hold finger down on BI to run programming mode
RGBW



Note: 13th point pitch stays at 1.5 seconds

Color changing regular pattern:

At the 1st long pressing, color changing from left to right.

At the 2nd long pressing, color changing from right to left.

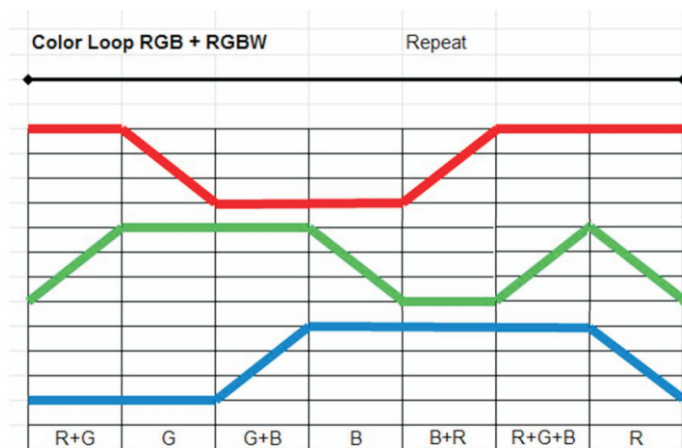
Color changing to the end, and this operation will be in endless cycle.

Short press on BI is to running color cycle loop.

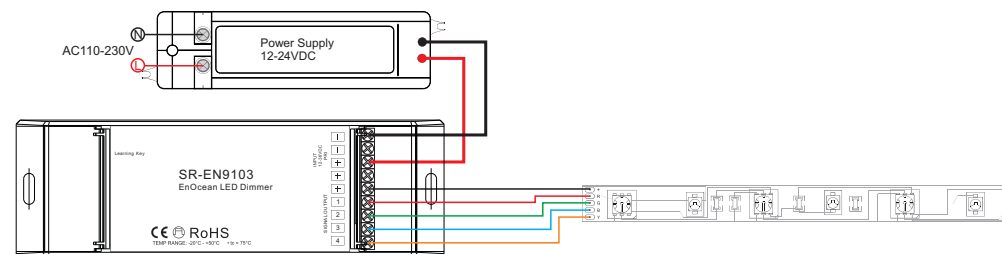
Running / pause : short press

Short press at the 1st time, it's running.

Short press at the 2nd time, it's stop.



Wiring diagram



Learning operation of receiver (EnOcean Switch ID)

Short press on learning button of receiver , press any button of EnOcean Switch , once receiver get the signal from EnOcean switch , connected LED flashes for 1 time (output of receiver), Then it learns successfully.

Within 5 seconds, receiver didn't get any signal from EnOcean switch , then connected LED flashes for 2 times (output of receiver), then it withdraws from learning.

Hold finger down for over 5 seconds on learning button of receiver , then it deletes all learned EnOcean switch ID , at this time, connected LED flashes for 3 times (output of receiver).

Safety & Warnings

- 1) The product shall be installed and serviced by a qualified person.
- 2) IP20. Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- 3) Always be sure to mount this unit in an area with proper ventilation to avoid overheating.
- 4) Please check if the output voltage of any LED power supplies used comply with the working voltage of the product.
- 5) Never connect any cables while power is on and always assure correct connections to avoid short circuits before switching on.
- 6) Please ensure that the cable is secured tightly in the connector
- 7) For update information please consult your supplier.