



proudly presents

RGB LED Parking Sensor

Designed and manufactured in Europe



Fig. 1 – Parking Sensor front and bottom view

Parking Sensor is an assistive device which makes parking easier and safer, also providing additional light decoration. It can be placed in residential and commercial garages or parking spots and directly control LED / LED RGB lights (e.g. LED strip, fixtures).

WHAT IS PARKING SENSOR?

Parking Sensor is unique LED RGB controller which uses ultrasonic sensors to measure distance from moving object, e.g. a car and changes colour of the light to inform driver about the remaining distance.

INSTALLATION

Make sure that the power supply and LED / LED RGB light source meets the electrical and environmental requirements and your knowledge is enough to install the device by yourself. If having any doubts, please contact your local LED shop or skilled electrician for necessary assistance.

Before proceeding to installation, please ensure that the power supply is disconnected from the mains.

Remove an insulation from the wires and connect them according to the below diagram.

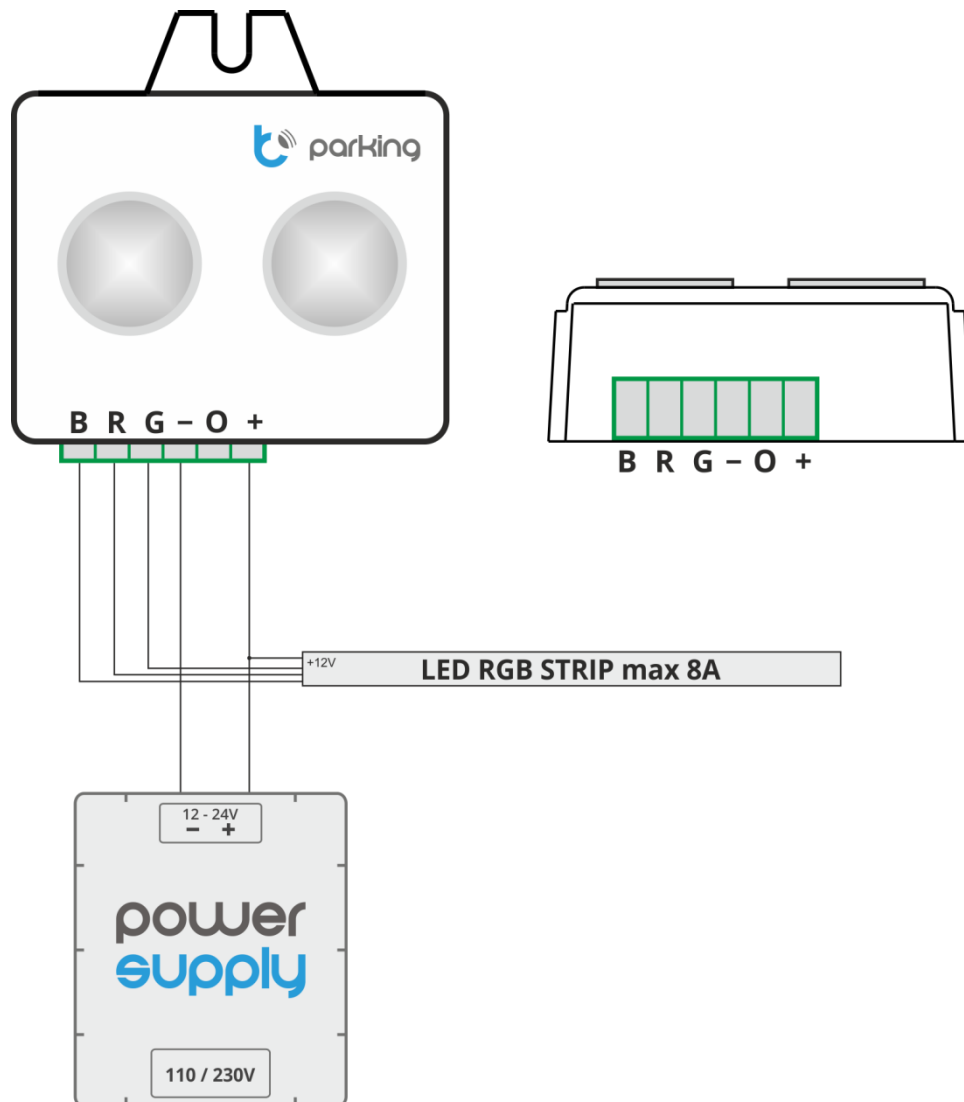


Fig. 2 – Wiring diagram

After ensuring that everything is connected correctly, switch on the power supply and check if everything is working well. Device should switch on automatically when object is about 120 cm from the sensor and change the colour when object is moving closer.

If everything is working as expected, it's time to mount the device on the wall. It should be mounted at the level of most front part of the car (usually bumper or licence plate) as on the following figure:

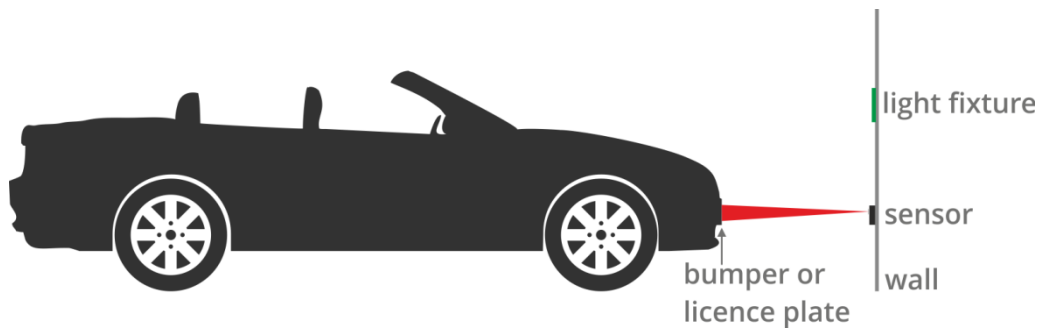


Fig. 3 – Mounting diagram

USAGE

Parking sensor is designed to work in an intuitive way but before first usage, please ensure that you read and understand following:

When the car approaches, it switches on automatically to the green light. If the colour is different, please correct the RGB LED light source connection. During movement colour is changing. Different colour have the different meaning:

- **Green** – you can move forward safely
- **Blue** – please pay attention, you are close to the obstacle
- **Red** – stop your car
- **Flashing red** – stop the car immediately, you will hit the wall in few centimetres

Please remember that it's only an assistive device and the driver is responsible for making sure that driving safe. Manufacturer doesn't hold any responsibility for damages or injures.

Parameters:

- **Voltage:** 7 - 24V DC
- **Maximum current:** 8A
- **Operating temperature:** 0 - 40°C
- **Dimensions:** 50 x 40 x 25 mm (with connector 50x50x25)
- **Connections:** screw connector

Additional future: Output "O" is provided for integration with home automation, security or similar system and should be used only by skilled technicians. It provides logical, open collector signal about presence of object (e.g. car) in close range (approximately 50 cm). Maximum 250mA. Consult blebox.eu team for additional information.

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