

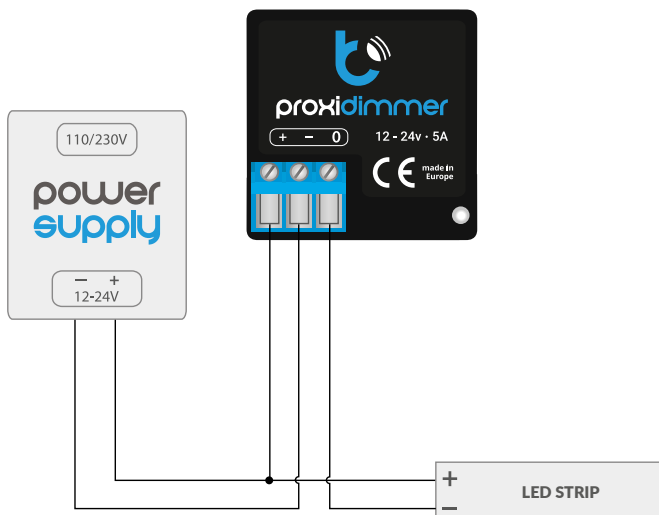


### SAFETY RULES

- Do not connect the device to loads exceeding the permitted values.
- Connect only in accordance with the diagram presented in the manual. Improper connections may be dangerous, it can damage the controller, and loss of the warranty.
- DANGER!** Risk of electric shock! Even with the device turned off, the outputs may be live. All assembly work should be ALWAYS performed with the disconnected power circuit.
- Connecting the device to a power supply that does not meet the quality requirements specified in EN 50081-1, EN 50082-1, UL508, EN 60950 will invalidate the warranty.

### CONNECTION DIAGRAM

General diagram of connection:

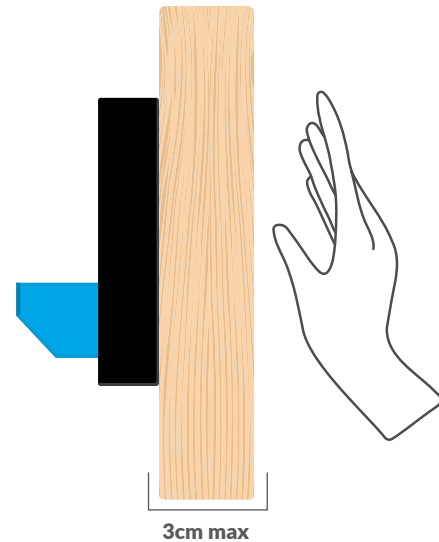


## 1 INSTALLATION

- Disconnect the installation supply voltage before installing the controller. Remember that any mounting works should be carried out when the mains voltage is disconnected.
- The controller should be installed in a place protected against adverse environmental conditions, protected from third party access. It is recommended that the device be mounted in a stable and fixed position.
- Familiarize yourself with the diagram and then proceed with the installation of the controller. Pay special attention to the designation of the controller connectors. Start by connecting the power wires: (+) (red or black with a white dotted line) and (-) (black).
- Connect the LED strip (paying attention to the polarity). The device is equipped with two stripes of double-sided adhesive tape on the bottom side. Before sticking the controller, clean and dry the the surface where it will be adhered. Remove the protective film, adhere in the chosen place and hold for a few seconds. When choosing the mounting location, remember that the device detects the hand only from the side of the adhesive tape.



The device should be adhered to a non-conductive surface, eg furniture board, tile, etc. If the device is not stably fixed or mounted near metal elements, it may not work properly.



- Each time the power source is connected, the device performs the auto-calibration process within the first 15 seconds. During this time, do not place your hand or any conductive objects near the device, as this will affect the calibration process.



If during the normal operation the device reacts incorrectly, force the auto-calibration process by disconnecting and reconnecting the power supply to the controller. Remember that after connecting the power supply do not put your hand near the controller for the first 15 seconds!

## 2 CONTROL

- To turn on / off the LED strip, close your hand to the controller approx. 1.5 sec. Holding your hand near the controller, you can adjust the brightness of the LED strip.

### TECHNICAL SPECIFICATIONS

supply voltage	12 - 24V
energy consumption	< 0,1 W
maximum current	5A
maximum power	120W
sensor	proximity, capacitive sensor

detection range	depending on the material: plexiglass, solid wood, plywood, chipboard - 3cm, <hr/> metal - detection with the entire <hr/> surface, honeycomb panels - no detection
calibration	automatic
mounting method	under the surface of nonconductive, adhesive tape
housing	made of polyurethane composition not containing halogens, self-extinguishing for thermal class B (130 °C)
dimensions	38 x 38 x 19 mm
protection level	IP20
controller operating temperature	from -20 to + 50°C

## ADDITIONAL INFORMATION

### HELP

The latest versions of the manual, additional informations and materials about products are available on our website: [blebox.eu](http://blebox.eu)

General questions: [info@blebox.eu](mailto:info@blebox.eu)  
 Service and technical support: [support@blebox.eu](mailto:support@blebox.eu)

For more information visit our website

[www.blebox.eu](http://www.blebox.eu)

Or send us an email to: [info@blebox.eu](mailto:info@blebox.eu)  
 Support is available at [support@blebox.eu](mailto:support@blebox.eu)

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