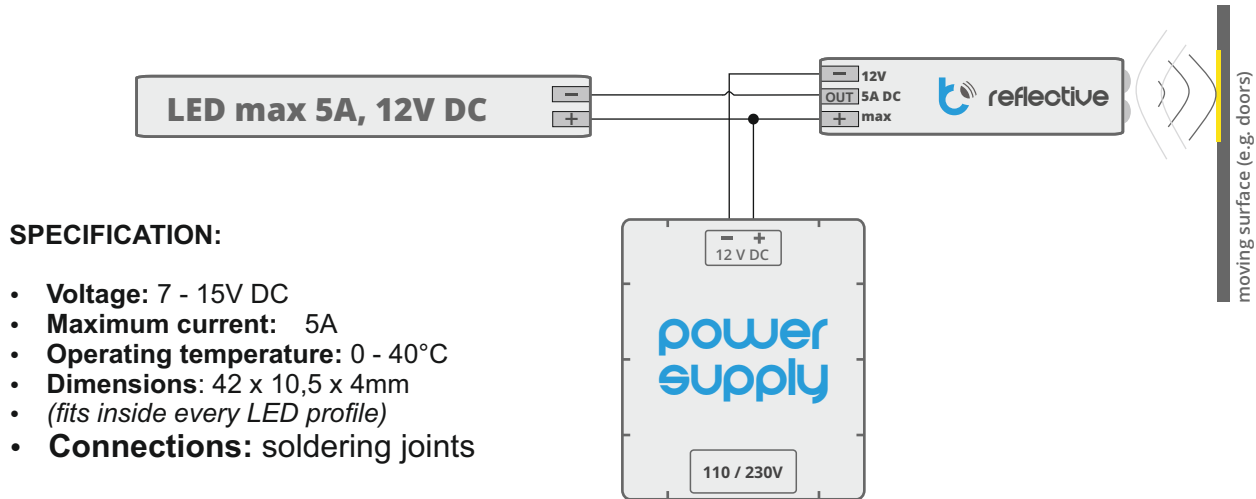# Reflective Switch user guide

Before installing Reflective Switch please make sure that the power supply and light source (e.g.) LED strip meets the device electrical parameters. Using improper components can damage device, cause serious injury or risk of fire. Even if device installations is easy, it should be done only after reading and understanding this guide or by a certified professional.

1. Please make sure that power supply is disconnected from AC voltage.

2. Connect the LED strip / low voltage DC lighting fixture and power supply to the Reflective Switch using soldering iron, according to the diagram.
 To get more information, please read our Quick Soldering Guide or contact your local LED shop.

LED max 5A, 12V DC

− 12V
OUT 5A DC
+ max

reflective

moving surface (e.g. doors)

− + 12 V DC

power supply

110 / 230V

SPECIFICATION:

- **Voltage:** 7 - 15V DC
- **Maximum current:**   5A
- **Operating temperature:** 0 - 40°C
- **Dimensions**: 42 x 10,5 x 4mm
- *(fits inside every LED profile)*
- **Connections:** soldering joints

3. Check the wiring. If everything is connected properly, switch on the power supply and move hand or a sheet of paper in front of the Reflective Switch, light should switch on, off or start blinking, depending on operation mode.

4. If it works correctly, disconnect the power supply and **attach device in desired place**. Moving surface (e.g. wardrobe door or drawer front) should be placed in front of sensor, at distance between 3 - 20 mm, depending on surface color. You can use adhesive (we recommend cyanoacrylate called also „Super Glue") or double-sided tape.

(hint: if the moving surface is dark you can stick a little white piece of paper on it to improve reliability)

5. Ensure that the device is installed properly. Switch on the power supply.

6. Configuration:
Reflective Sensor can operate in one from three different modes - as mono-stable switch (useful for e.g. for using in wardrobe, where opening the door switch on the light) and bi-stable - for e.g. when you want to switch on and off the light using your hand (e.g. under the mirror).
To change mode tap the front sensor 5 – 7 times with tip of the finger during 2-3 seconds period. Device will go into configuration mode, which will be indicated by dimming the light).
Now tap the sensor again to change mode. Each tap switches to next mode, which is indicated by LED blinking (number of blinks indicates current mode)
 - 1 blink – mono-stable, on when object detected
 - 2 blinks – mono-stable, off when object detected
 - 3 blinks – bi-stable – each detection will switch light on or off
After setting desired mode, wait a few seconds, settings will be saved which will be indicated by switching on or off depending on selected mode.

7. Check if the device is working as expected. If not, adjust placement or settings. When everything is OK, please leave it on for about 10 minutes and check again if it's not overheating. When touching device it shouldn't be hot. If it's it can be caused by exceeding operation parameters (e.g. LED strip is too long). If you need more power, please consider using AmpBox – power amplifier.

8. Enjoy your new Reflective Switch!
If you have any questions or doubts, don't hesitate to contact your local LED shop or our team.

Before switching on power, please check connections carefully.

For additional support, don't hesitate to contact us: www.blebox.eu

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