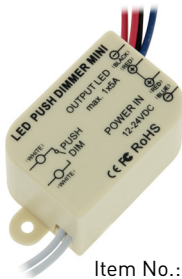


LED PUSH Dimmer Mini Mono - User Manual



Item No.: LC-011-011

1. Product Description

With this Dimming Modul it is possible to dim LED Mono Modules with a push dim button. The Push Dimmer Mini Mono works with PWM (Pulse Width Modulation) frequency technology with an input voltage of 12-24VDC and a maximum output current of 5A.

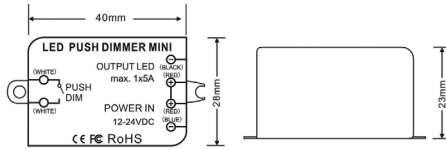
2. Specifications

Input Voltage	12-24VDC
Max. Output Current	5A
Output Signal	PWM constant voltage ~980Hz
Max. Output Power	1x60W (12V) oder 1x120W (24V)
Product Dimension (L x B x H)	40 x 28 x 23mm
Weight	40g

3. Basic Features

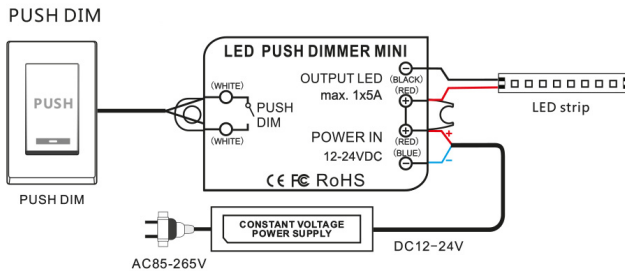
1. Input Voltage 12-24VDC
2. 1 Channel with max. output current of 5A
3. Small size, flexible to install, simply wiring, easy to use
4. Switch ON/OFF with pre-installed fading time
5. By using a LED PWM Repeater, the output power of the dimmers can be extended.
6. Power loss memory function

4. Dimensions



5. Operating Instructions and Conjunction Diagram

5.1. Push Dim Connection mode:



PUSH DIM Function:

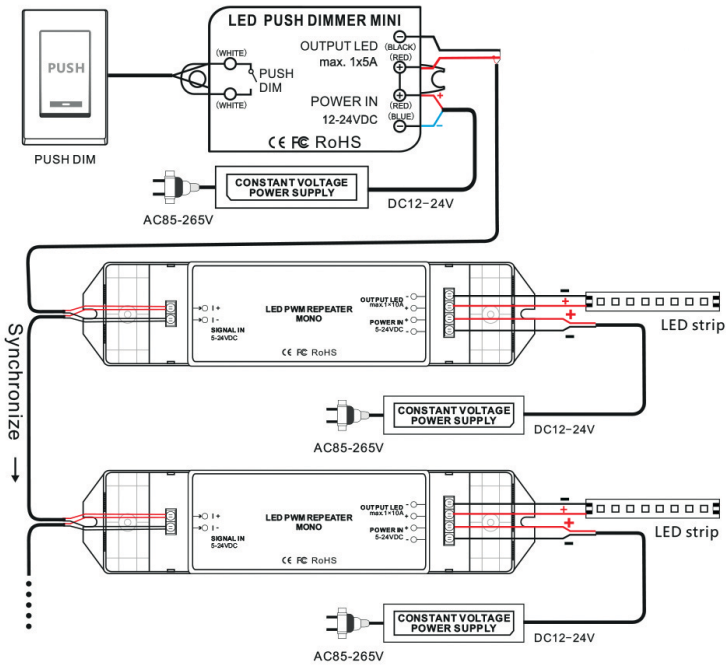
1. Short press PUSH DIM Button (< 0,5 sec.) to switch the light ON or OFF.
2. Long press PUSH DIM Button (> 0,5 sec.) to adjust the light brightness. Pressing the PUSH DIM Button again the process is continued in the opposite direction.
3. When the light is OFF, long press the PUSH DIM Button, the light turns ON and dimmed up with a pre-installed fading time.
4. When long press the PUSH DIM Button to adjust the brightness, the brightness scope is between 1%-100%, short press turns OFF the light.
5. If you turn off the light, the last brightness value set is stored and when turned on again recalled.

At the output of the controller LED PWM Repeater can be connected in parallel to expand freely. In this case, the LEDs may only to the the LED PWM repeaters are connected and not on the controller itself.

The controller serves in this case only as a signal generator for the LED PWM Repeaters.

If one were to connect LEDs on both the controller and the LED PWM Repeaters, so there would be slight difference in luminance between the LED's.

Especially in the lower dimming range they are more visible.



6. Important

The power source must be a DC Constant Voltage source. This should never be equipped entirely, but be operated with at least 10% power reserve.

7. Safety warnings

- 7.1. To avoid installed the product in minefield, strong magnetic field and high voltage area.
- 7.2. To ensure the wiring is correct and firm avoiding short circuit damages to components and cause fire.
- 7.3. Please install the product in a well ventilated area to ensure appropriate temperature environment.
- 7.4. The product must be worked with DC constant voltage power supply.
Please check the consistence of input power with the product, if the output voltage of the power comply with that of the product.
- 7.5. Connect the wire with the power on is forbidden. Ensure proper wiring first then check to ensure no short-circuit, then power on.
- 7.6. Don't repair it by yourself whenever an error occur. Contact the supplier for any inquiry.