

MBN LED
L50002A1 MINI
PWM DIMMER



MBN LED L50002A1 Mini PWM Dimmer Instruction Manual

[Home](#) » [MBN LED](#) » MBN LED L50002A1 Mini PWM Dimmer Instruction Manual 

Contents

- [1 MBN LED L50002A1 Mini PWM Dimmer](#)
- [2 Product Information](#)
- [3 Product Usage Instructions](#)
- [4 Characteristics](#)
- [5 Safety Indices](#)
- [6 Installation](#)
- [7 Function](#)
- [8 Connection diagram](#)
- [9 Frequently Asked Questions](#)
- [10 Documents / Resources](#)
 - [10.1 References](#)



MBN LED L50002A1 Mini PWM Dimmer



Product Information

Specifications

- Signal Type: Analog 0/1-10V
- Power Mode: Standby

Product Usage Instructions

Analog Signal Type

The product operates using an analog signal type ranging from 0 to 10 volts. Ensure that the input signal matches this range for optimal performance.

Power Mode – Standby

When in standby mode, the product is powered but not actively processing or transmitting data. To activate the product, switch it from standby mode to operational mode following the specific instructions provided in the manual.

Characteristics

- Analog 0/1-10V.
- Standby <0,3 Watt.
- Max. 6A output current.
- Usage temperature -10° C till +40° C.
- CE conformity with the related directive.

Warnings

1. For indoor use only.
2. Please ensure that the packaging is disposed of in a safe environment.

3. We do recommend that a qualified electrician should be used to install the products.
4. Never connect any of the connectors to the 230V mains supply directly or indirectly.
5. At 0/1-10 V installation the wirings shall do not exceed 10m in length.

Safety Indices

Be sure to have a qualified electrician complete the installation. The manufacturer is then discharged from liability when damage is caused by improper use or installation. If any controller is subsequently modified, the person responsible for the modification shall be considered as manufacturer. For indoor use only. Protection class IP20.

Installation

Please follow the sequence of installation step by step. Non-observance can lead to damage.

1. Switch off the electricity at the mains before commencing and (if a fuse box is installed) remove the appropriate circuit fuse to avoid accidental switching on of the mains supply.
2. Connect the luminaire to the OUT-connector.
3. Connect the signal input (potentiometer, 0/1-10V signal) according to the desired schematic.
4. Connect 12 – 48 VDC power supply.
5. Ensure fire regulations are not breached when fitting your 0/1-10V-controller.
6. If you are in any doubt regarding these instructions, consult a qualified electrician.

Function

DIMMING

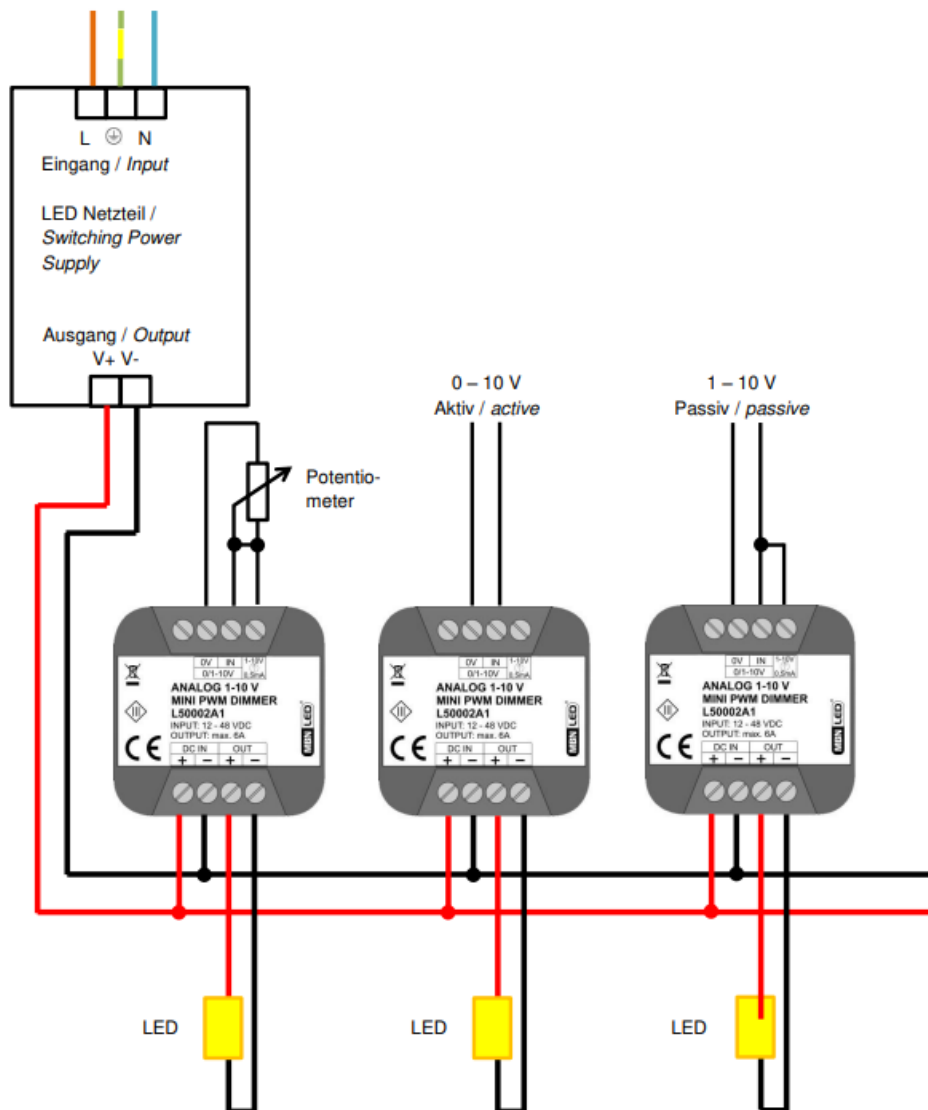
- 0-1 V = 0%
- 10 V = 100%

Remarks

The device allows you to vary the luminous intensity from 0 – 100%.

For brightness levels <10% ignition of luminaires driven can not be visible. This depends on the ambient light and the luminaire features.

Connection diagram



MBN GmbH, Balthasar-Schaller-Str. 3, 86316 Friedberg – Germany
www.proled.com

Frequently Asked Questions


Q: How do I switch the product from standby to operational mode?

A: To switch the product from standby to operational mode, locate the power button or switch on the device and press or toggle it accordingly. Refer to the installation manual for detailed instructions specific to your product model.

Documents / Resources

	<p>MBN LED L50002A1 Mini PWM Dimmer [pdf] Instruction Manual L50002A1 Mini PWM Dimmer, L50002A1, Mini PWM Dimmer, PWM Dimmer, Dimmer</p>
--	--

References

-  [PROLED: proled.com](https://proled.com)
- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.