

1-CHANNEL 12 - 24V_{dc} LED STRIP AMPLIFIER

Instructions Manual

AM PLA LE2



Description

Signal Amplifier for one-colour 12-24V_{dc} LED Strips, up to 8A.

Fitted with connectors for quick and easy assembly of the LED strip. If this connector is used at the output of the amplifier, the allowed maximum output current will be decreased to 5A.

Small housing, only 12mm thickness. It can be installed into standard mechanism box or over the false ceiling.

Resettable protection against overload and short-circuits. Heat protection, not resettable from 125°C on.

This Amplifier allows increasing the meters of LED strip controlled by only one dimmer, getting longer distances without brightness losses between the first and the last LED.

Installation

- 1 - Switch the power supply off.
- 2 - Install the amplifier according to the wiring diagram.
- 3 - Make sure the LED strip is connected and supply the amplifier.

Operation

This Amplifier allows increasing the meters of LED strip controlled by only one dimmer, getting longer distances without brightness losses between the first and the last LED.

It has 3 inputs:

- 1 -. Input for previous LED strip connected to the dimmer.
- 2 -. Output for next LED strip.
- 3 -. Voltage input using another 12-24V_{dc} power supply with stabilized voltage.

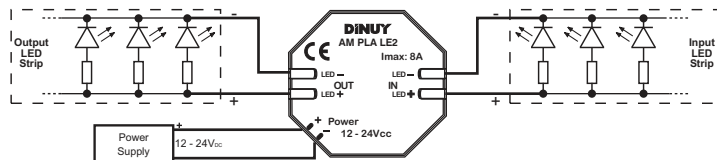
Technical Specifications

Power Supply	12 - 24V _{dc} *
Power Consumption	<12mA
Valid for...	1-channel 12-24V _{dc} LED Strip
Maximum load	8A (5A if using LED strip terminal)
Dimensions	45 x 45 x 12mm
Weight	23g
Operation Temperature	0°C ~ +40°C
Storage Temperature	-30°C ~ +70°C
Environmental Protection	IP20 according to UNE 20324
According to the Standard	EN 60669-2-1

* **NOTE:** The power supply connected with this amplifier must meet Low Voltage Directive 2006/95/EC and EMC Directive 2004/108/EC

Wiring Diagrams

Option 1: Amplifier installed between the end of the first strip and the beginning of the second one:



Option 2: Amplifier installed close to the dimmer (RE PLA LE2):

