



General

Product Type	Amplifier
Length (mm)	112
Width (mm)	67
Height (mm)	35
Housing Color	White
Housing Material	Plastic
Mounting	DIN-Rail
Weight (g)	115
Wire Strip Length	5mm
Wire Type	2.5mm2

Electronics

Input Domain	DC
Input Voltage	12 ~ 24V DC
Power Supply	N/A

Control

Output Signal	DMX
Control	DMX
Dimming Curve	Linear

Environmental

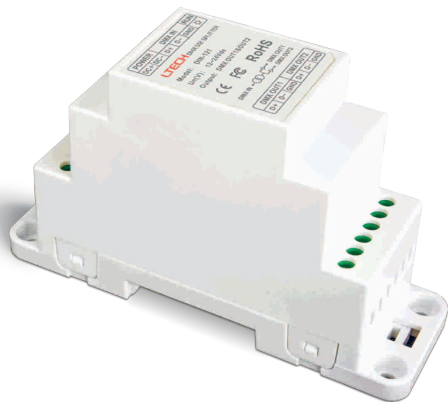
Operating Temperature	-30 ~ +55 °C
Ingress Protection	IP44

CE IP44 5^{year}
warranty

Disclaimer

Due to the technical evolution and improvement of our products, the data provided in this document may be updated on a regular basis, and as such, confirmation of this information is strongly recommended prior to the order process. OneEightyOne is not responsible for any discrepancies in this document following changes in our products. We reserve the right to make technical changes to our products and to change information, at its sole discretion, without notice.

DIN-121 DIN Rail DMX Signal Amplifier



DIN-121 is dedicated to amplify, distribute, and insulate the signal that comes from the lighting system equipment when it is connected to the bus of DMX512 (or RS-485), 1CH input, 2CH output.

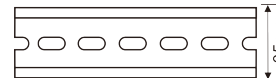
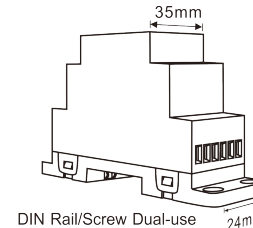
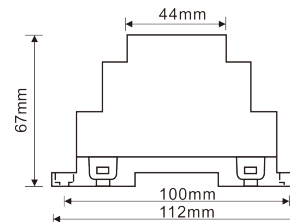
1. It's specially designed for signal shaping amplification for DMX512 (485) signal which attenuated after a long-distance transmission, realize extending the signal transmission distance.
2. Need to use the multiple signals expansion output control, increase DMX (485) signal amplifier to distribute multi-channel control.
3. 1 channel input, 2 channels distributed output, there is photoelectricity insulation between input and output terminals, so as to avoid the expensive equipment such as light, 485 communications equipment, DMX driver, precise digital lighting controller, being burnt by the possible high voltage which caused from the wrong wire connection and a broken equipment, also can avoid the signal interference between each DMX equipment, to assure it works safely.

1. Product Parameter:

DIN-121

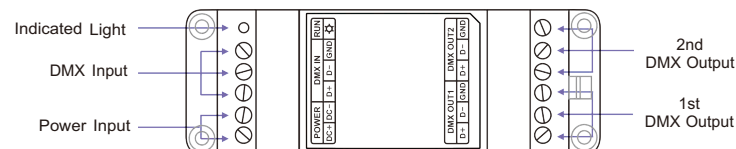
- Input Voltage: 12-24Vdc
- Photoelectricity Insulation Voltage: 1KV
- Working Temperature: -30°C~55°C
- Dimension: L112×W35×H67mm
- Package Size: L114×W37×H70mm
- Weight(G.W.): 110g

2. Product Size:

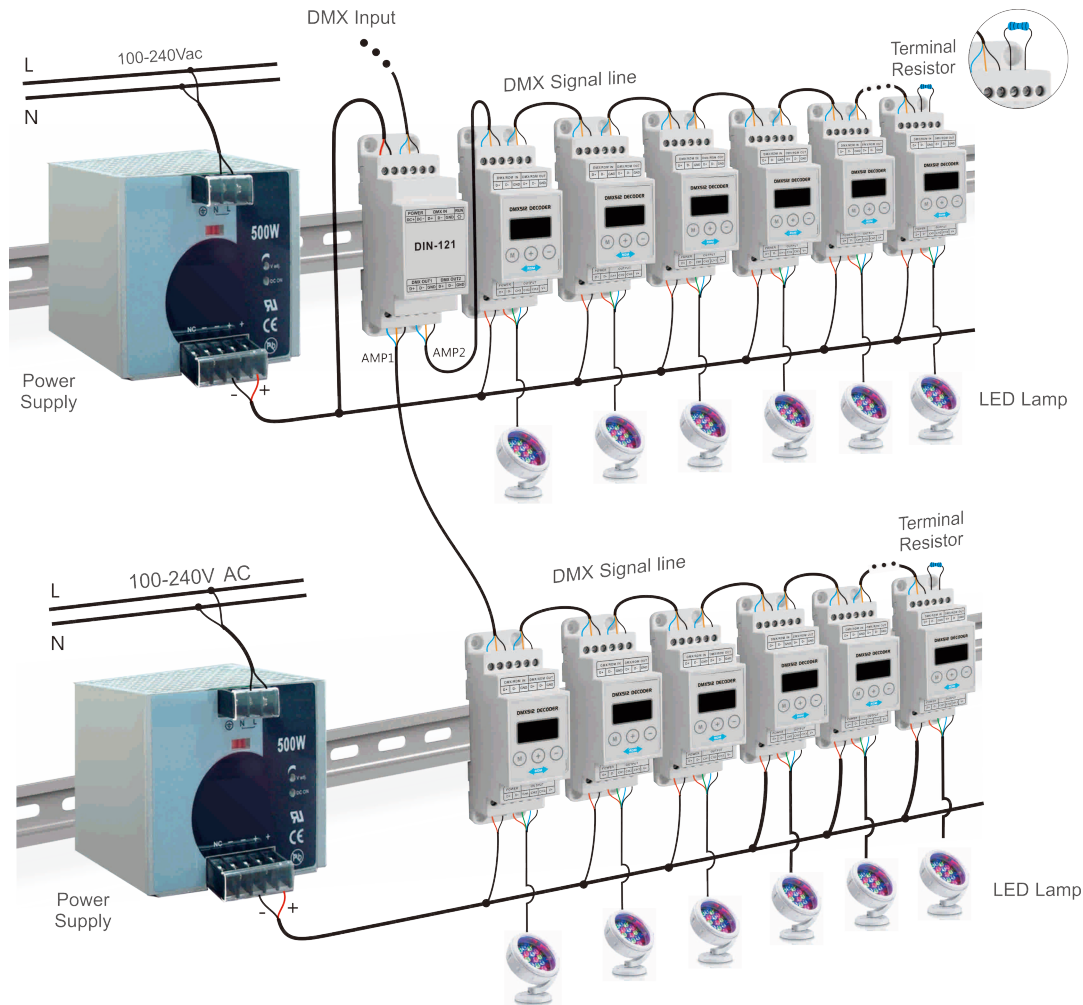


DIN Rail Mounting Size:
TS-35/7.5 or TS-35/15

3. Configuration Diagram:



4. Wiring Diagram:



- * An amplifier is needed when more than 32 decoders are connected, signal amplification should not be more than 5 times continuously.
- * If the recoil effect occurs because of longer signal line or bad line quality, please try to connect 0.25W 90-120Ω terminal resistor at the end of each line.