

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.

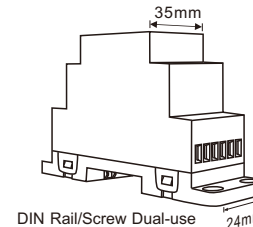
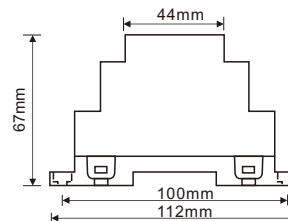
1. It's specially designed for signal shaping amplification for DMX512 (485) signal which attenuated after a long-distance transmission, realize extending the signal transmission distance.
2. Need to use the multiple signals expansion output control, increase DMX (485) signal amplifier to distribute 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

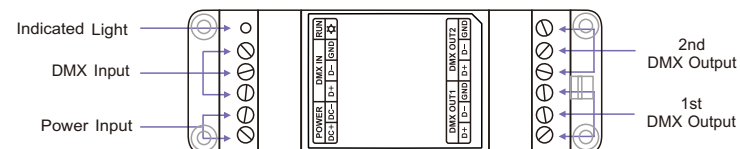
- Input Voltage: 12-24Vdc
- Photoelectricity Insulation Voltage: 1KV
- Working Temperature: -30°C~55°C
- Dimension: L112×W35×H67mm
- Package Size: L114×W37×H70mm
- Weight(G.W.): 110g

2. Product Size:

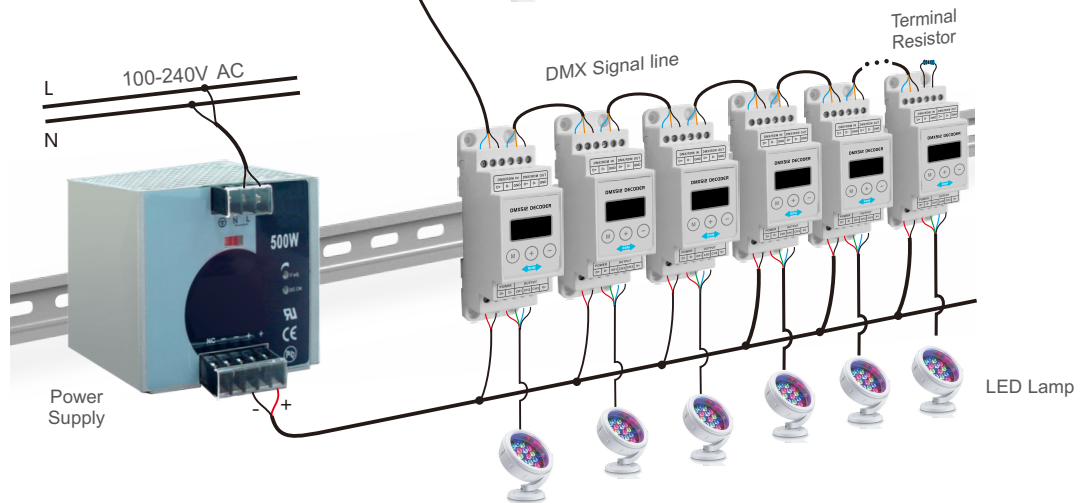
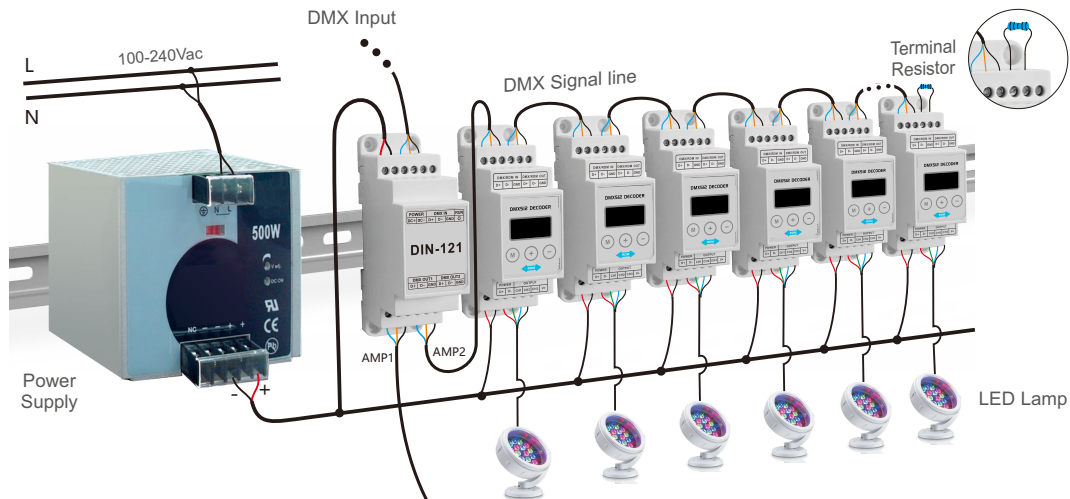


DIN Rail Mounting Size:
TS-35/7.5 or TS-35/15

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.

DIN-121
导轨式DMX信号放大器



DIN-121专门用于对DMX512总线 (或者RS-485)连接灯光系统设备的信号放大、信号分配、信号隔离作用，本产品设计为1路输入，2路输出。

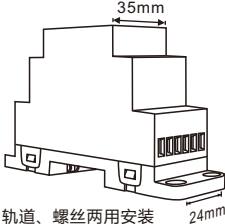
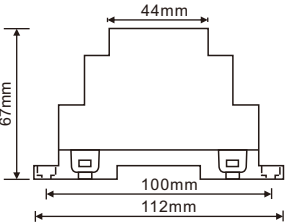
- 1、经远距离传输或者并接多个设备后, 对DMX (485) 信号衰减进行信号整形放大处理，具有延长信号传输距离的作用;
- 2、需要用到多路信号扩容分支输出控制, 增加DMX (485) 信号放大器分配多路控制；
- 3、1路输入, 2路分配输出, 输入输出端之间光电隔离, 因此可以避免因接错线或者某个设备出现故障时可能产生的高电压烧毁灯具、485通信设备、DMX驱动器、精密数字式灯光控制台等贵重设备, 也同时避免不同的DMX (485) 设备之间信号干扰的作用, 确保其安全运行。

一 性能参数:

DIN-121

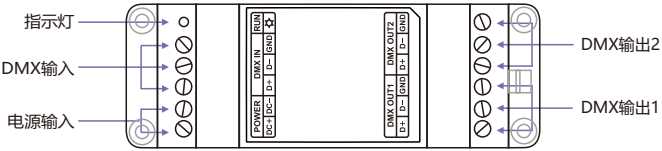
- 输入电压：12-24VDC
- 光电隔离电压：1KV
- 工作温度：-30℃~55℃
- 产品尺寸：L112×W35×H67mm
- 包装尺寸：L114×W37×H70mm
- 重量（毛重）：110克

二 结构图:

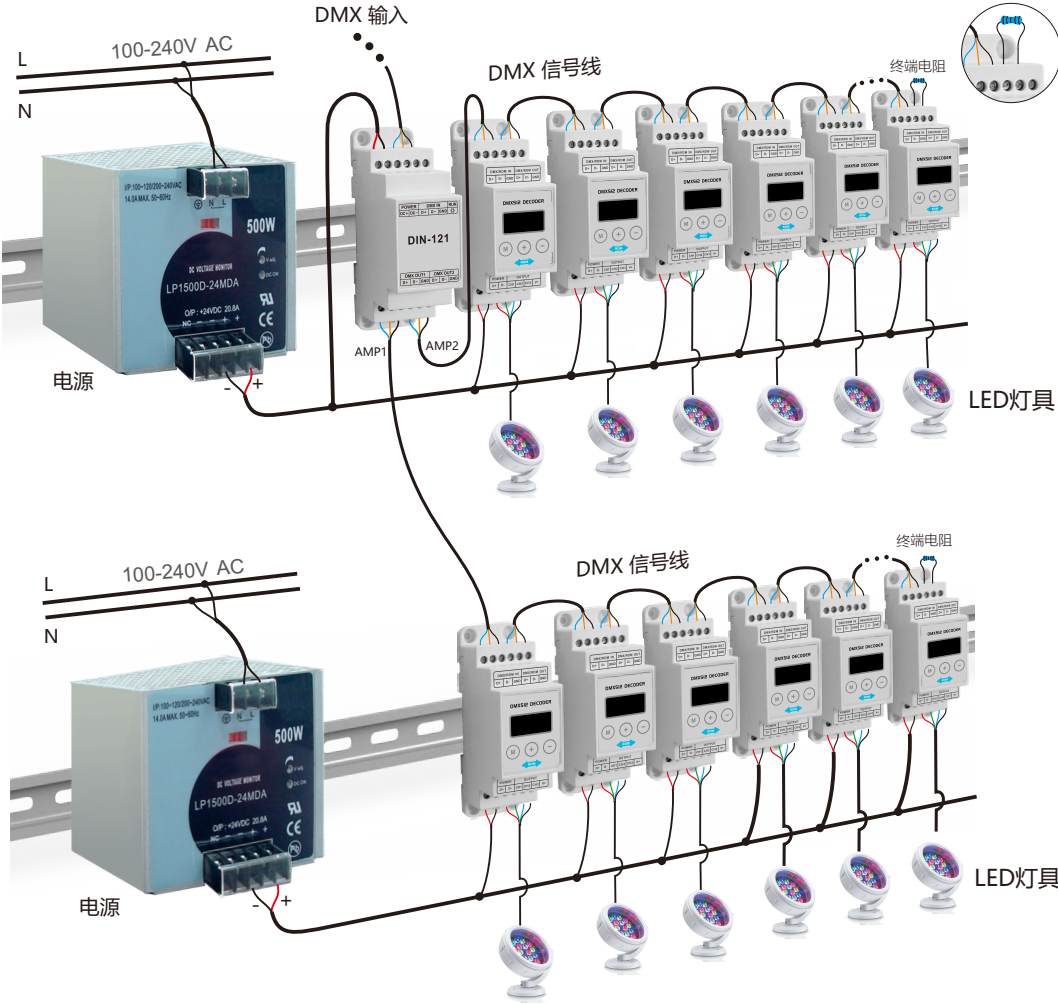


安装轨道
TS-35/7.5或TS-35/15

三 配置图:



四 连接示意图:



- * 超过32台DMX解码器连接需加信号放大器，信号放大不能连续超过5次。
- * 当信号线较长或者线材质量等原因造成信号反冲效应影响使用，可以尝试在每路信号线末端连接0.25W 90-120Ω终端电阻去解决。