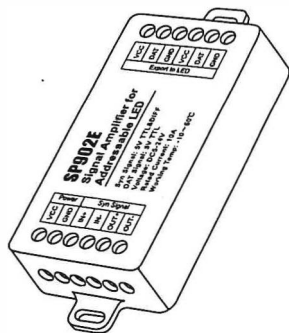


Instructions

SP902E Signal Amplifier



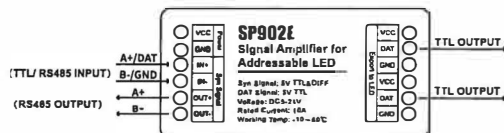
Product Features

1. Compatible with both TTL and RS485 signal inputs;
2. Two channels of strong-drive TTL signal output to meet users' needs for multiple strong signal control of lighting;
3. Differential RS485 signal is used for cascading between amplifiers to achieve long-distance signal transmission;
4. Can be used alone or in cascade with multiple units;
5. Supports wide voltage input from DC5 to 24V, with reverse connection protection function.

Precautions

1. The current passed by the controller is limited. If the LED lighting requires a current that exceeds the limit, additional power supply is needed to prevent overheating and damage to the amplifier;
2. The strength of the TTL signal output by the amplifier is related to the type of chip used in the connected LED, the length and thickness of the connecting wires, and the number of LED connected in parallel. Please use it within a reasonable range according to the actual situation;
3. The transmission distance between amplifiers is affected by the type of wire used and the surrounding environment. If you need to transmit signals over a long distance or in a complex environment with a lot of interference, please use shielded twisted pair or CAT5 or higher Ethernet cables.

Port Descriptions



Wiring Instructions

