

PX24500A

DMX Constant Voltage Decoder



Summary

Welcome to use PX series DMX512 decoder & driver. PX series adopt the advanced micro-computer control technology and converted the DMX512/1990 digital signal widely used in international to the analog control signal. 1~3 channels output for option and each channel able to achieve 256 gradations of controlling. It is mainly used for the controlling of buildings & lights applied LED.

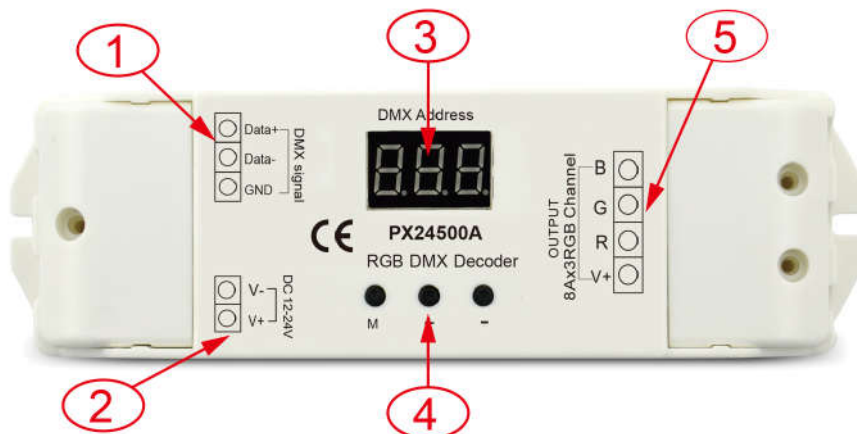
Product Features

- Meets DMX512/1990
- With 3 channels output and Max.8A/CH output
- Decoder can Diagnose & Indicate DMX512 signal status(Not Connected, Pause, Normal), easy for using
- Can set the DMX address more easily by Keys
- With the light color selected mechanism, and be able to control the light with 1~3 colors
- 256-level brightness,full-color control,with control system,can express perfect effect
- Use Logarithmic dimming curve, smooth dimming effect
- Short circuit protection , Over-current protection, Over-temperature protection

Technical Parameters

Decode CH :	3CH
Input Signal:	DMX-512/1990 digital signal
Output Signal:	can drive 8A max (each CH)
Power Supply:	DC 12~24V
Power Dis:	<1W
Power Output:	<576W(24V); <288W(12V)
Operating Temp:	-20~+50°C
Size:	168mm*51mm*22
Weight:	160g

Appearance



- (1) DMX signal input interface
- (2) Power input interface
- (3) Display LED
- (4) Keys for address setting
- (5) Driver output interface

Interface Introduction

- DMX signal interface

Please pay attention to the polarity of the DMX signal. If the DMX signal is not connected correctly, the following error will be displayed:
1, The DMX signal is not properly connected, the current address and --- will be displayed on the LED by loop and interval 2S;

2, The DMX signal is paused, the current address and P will be displayed on the LED by loop and interval is 2S;

3, The DMX signal is normal, the current address will be displayed only, ;

- Power input interface

DC 12-24V input, supply power for the decoder and the lamps it takes

- Address setting keys

Address can be saved automatically, address can be recovered when next power on

1,**Key"M"**, used to lock or unlock address setting function, normally address can't be setting. When long press this key for 3 seconds, the dot in the bottom right of LED will be on, used to indicate unlocked, you can change the address after setting address, long press the M key 2S or do not press any button 5S, the dot will be off, indicating that the address code is locked and can not be modified.

2,**KEY"+"**, used for add address number, short press address add 1 each time, long press address will be changed very fast, reduce setting time, the maximum address is 511

3,**KEY"-"**, used for minus address number, short press address minus 1 each time, long press address will be changed very fast, reduce setting time, the minimum address is 0.

Remark: The default address code is 1

- Driver output interface

Common anode, V+ and R,G,B interface. can drive kinds of RGB module or single-color module, Can regulate output current according to the actual load.

Remark:

Connect the anode and RGB wire of common anode RGB module to the output interface of decoder directly; Connect the anode wire of single-color module to V+ on decoder, and connect the cathode wire to one of RGB pin; according to the LED's color; Connect several colors single-color module to one decoder, please connect their anode wires to V+ pin on decoder.