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 controling. 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℃

Size: 168mm*51mm*22

Weight: 160g

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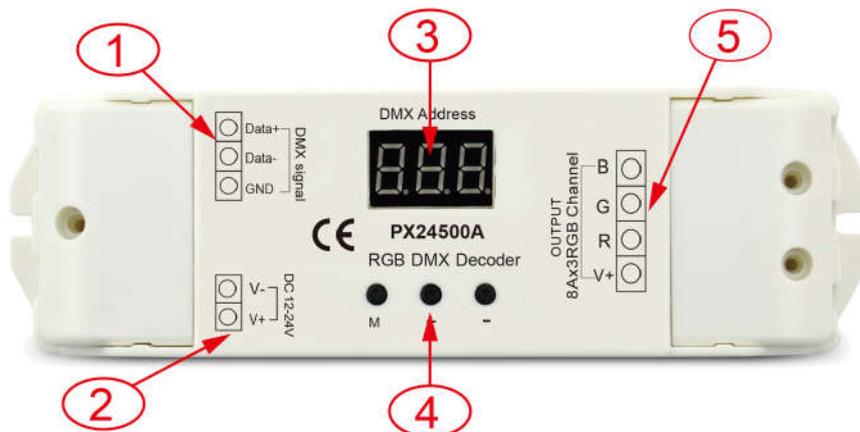
(1) DMX signal input interface
(2)Power input interface
(3)Display LED
(4)Keys for address setting
(5) Driver output interface

Interface Introduction

● DMX signal interface

Please put attention on the polarity of DMX Signal. if DMX signalisn't connected correct, follows error will display
1,The DMX signal is not properly connected,current address and --- will be displayed on LED by loop and interval 2S；
2,The DMX signal is paused, current address and P will be displayed on LED by loop and interval is 2S；
3 ,The DMX signal is nomal, current address be displayed only，；

● Power input interface

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

- Address setting keys

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

    1,**Key"M"**, used to lock or unlock address setting fuction, nomally address can't be seting. 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 mimus 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.

PX24500A

DMX 恒压解码器

概述

　　欢迎使用 PX 系列 DMX512 解码驱动器。PX 系列采用先进的微电脑控制技术，把国际上广泛采用的 DMX-512/1990 标准数码控制信号转换成模拟控制信号。可选择 1~3 路输出通道，每通道可实现 256 级控制级别。可用于建筑和灯饰用 LED 灯具的控制使用。
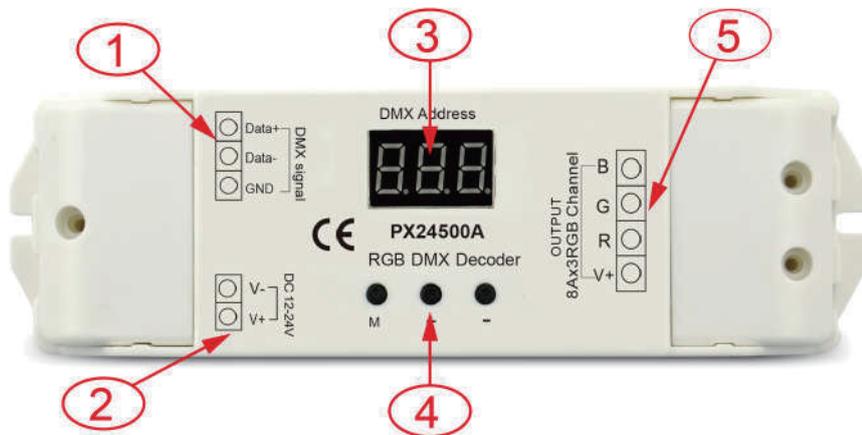
产品特点

- 符合 DMX512 国际标准协议

- 具有 DMX 信号检测及指示功能，可以区分 DMX 信号正常、暂停、错误不同状态，方便编译调试维护

- 3 路输出通道，单通道最大 8 安培驱动输出

- 可通过按键灵活设定 DMX 地址

- 具有灯具颜色选择机制，可控制具有 1~3 种基本颜色的灯具

- 256 级灰度、全彩驱动控制,配合控制系统，可实现丰富的变化效果

- 采用对数调光曲线，调光效果平滑

- 短路保护，过流保护，过温保护

技术参数

解码通道：	3 路
控制信号输入：	DMX-512/1990 标准数码控制信号
输出信号：	最大 8A/CH 驱动输出
供电电源：	直流电源，12~24V
空载时功率消耗：	<1W
功率输出：	<576W(24V)；<288W(12V)
工作温度：	-20~50℃
设备尺寸：	168(mm)*51(mm)*22(mm)
重量：	160g

产品外观：

（1） DMX 信号输入接口
（2） 输入电源接口
（3） LED 数码管
（4） 地址设置按键
（5） 驱动输出接口

接口说明：

● DMX 信号接口

　　请注意 DMX 信号极性，不能反接，DMX 信号状态显示信息如下：

　　1，DMX 信号线没有正确连接时，当前地址与 – – -将会循环显示，间隔 2S；

　　2，DMX 信号暂停时，当前地址与 P 将会循环显示，间隔 2S；

　　3，DMX 信号正常时，将会仅会显示当前地址；

● 输入电源接口

　　直流 12~24V 输入，为解码器本身和解码器所带灯具供电

● 地址码设置按键

地址码可以自动存储，下次上电后，自动恢复上次存储地址码

1，按键 M，用于解锁或锁住地址码，正常使用时，地址码无法更改。长按此按键 3S 后 LED 数码管右下方的逗号将会亮起，用于指示解锁状态，此时可以更改地址，更改地址后，长按 M 键 2S 后或不按任何按键 5S 后，数码管逗号消失，表明地址码加锁，不可修改。

2，按键+，用于地址加，短按地址每次累加 1，长按地址码快速翻动，缩短设置时间，最大地址 511

3，按键-，用于地址减，短按地址每次递减 1，长按地址码快速翻动，缩短设置时间，最小地址 0

注：出厂时地址码默认设置为 1

● 驱动输出接口

共阳驱动，具有一个 V+ 接口和 3 通道 R,G,B 输出接口，可接各种全彩模组和单色模组，自动根据灯具模组负载调整输出电流。

注：

共阳连接的全彩模组可直接将正线和 R,G,B 控制线接至解码器的输出接口对应脚位上；单色模组可将正线接至解码器的输出接口的 V+脚上，负线根据该模块的颜色接至解码器的输出接口 R,G,B 某一脚位上；几种颜色的单色模组接到同一个解码器上，须将它们的正线都接到解码器的输出接口的 V+端口。