PRODUCT SPECIFICATION - PX24500D

How to use this PX series DMX512 decoder & driver. PX series has adopted the advanced micro-computer control technology and converted the DMX512/1990 digital signal widely used in international to the analog control signal. 1~4 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.

FEATURES

- Meets DMX512/1990
- With 4 channels output and Max. 5A/CH output
- Decoder can Diagnose & Indicate DMX512 signal status (Not Connected, Pause, Normal)
- The DMX address is easily set on the display
- With the light color selected mechanism, and be able to control the light with 1~4 colours
- 256-level brightness, full-colour control, with control system, can express perfect effect
- Use Logarithmic dimming curve, smooth dimming effect
- For customer setup and use easily, the default address code is 1
# TECH. CHARACTERISTICS

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decode CH.</td>
<td>4CH</td>
</tr>
<tr>
<td>Input Signal</td>
<td>DMX-512/1990 digital signal</td>
</tr>
<tr>
<td>Output Signal</td>
<td>can drive 5A max(Each CH.)</td>
</tr>
<tr>
<td>Power Supply</td>
<td>DC 12~24V</td>
</tr>
<tr>
<td>Power Dis.</td>
<td>&lt;1W</td>
</tr>
<tr>
<td>Power Output</td>
<td>&lt;480W(24V);&lt;240W(12V)</td>
</tr>
<tr>
<td>Operating Temp.</td>
<td>-20~50℃</td>
</tr>
<tr>
<td>Size</td>
<td>168(mm)*51(mm)*22(mm)</td>
</tr>
<tr>
<td>Weight</td>
<td>160g</td>
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</tbody>
</table>

## 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 signal isn'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 normal, 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 automatically, address can be recovered when next power on.
  
  1. **Key“M”**, used to lock or unlock address setting function, nomally 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.

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

Remark:

- Connect the anode and RGBW wire of common anode RGBW 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 RGBW 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.

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