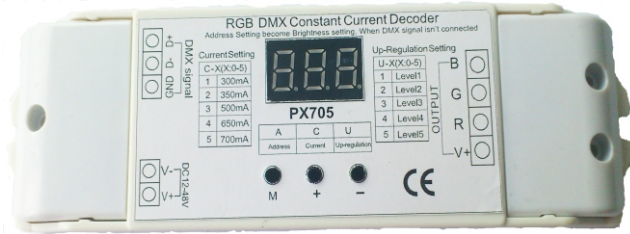


PX705 Constant Current DMX Decoder



Welcome to use our company's Px705 DMX decoder, it's a constant current decoder. Use the advanced microcomputer control technology, can control three channels output. And 256 control levels per channels. This decoder can be used at building, hotel, home and so on

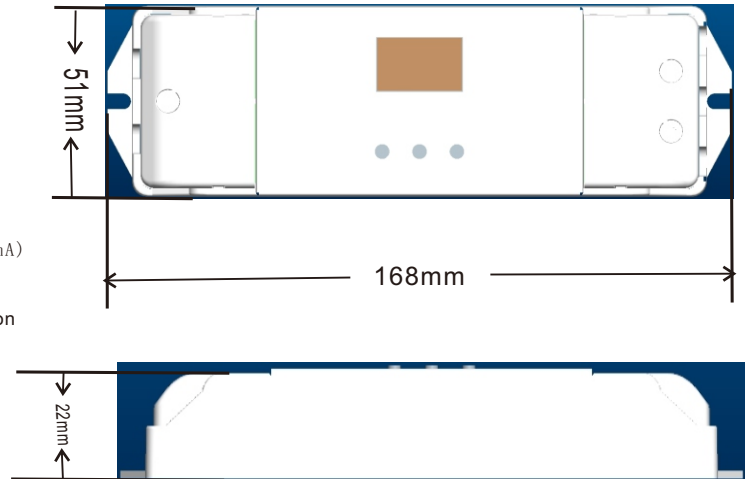
1 Feature:

- ◆ Comply with DMX512 international standard protocol
- ◆ DMX signal detection and indication function, can distinguish DMX signal states of normal, pause, error
- ◆ 3 output channels, 5 levels current, (300mA, 350mA, 500mA, 650mA, 700mA)
- ◆ Up-regulation setting function, 5 levels
- ◆ Address setting become brightness setting when DMX signal isn't connection
- ◆ 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
- ◆ For customer setup and use easily, the default address code is 1
- ◆ Can easily set DMX address by button

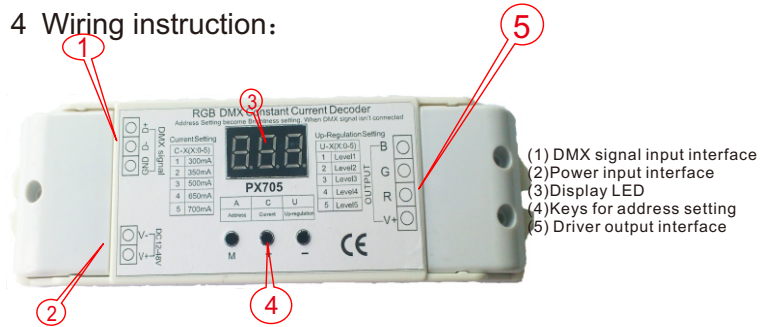
2 Technical Parameter:

	Min.	Nom	Max	Unit
Input Voltage	12	12-48	48	VDC
Input Current	-	-	3	A
Output Voltage	12	12-48	48	VDC
Output Current	5levels , 700mA max			mA/CH
Output Power	1	1-108	108	W
Work Temp.	-20	-	50	℃
Product Size	168(mm)*51(mm)*22(mm)			
Pack Size	175(mm)*56(mm)*28(mm)			
N.W.	132g			
G.W.	160g			

3 Product Size:



4 Wiring instruction:



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

5 Installation Interface Description:

◆ 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 current setting current (C-X), and current start light setting (U-X) --- 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 enter the menu or return to the menu, Long press this key 3S, enter the menu option. Press button + or - to select the options you need to set, At this point the options of LED digital tube bottom right of the comma will turn on, Press the M button to enter the settings. Press the M key again to exit the current submenu
- 2, Into the A option (Address code option), Buttons + for address plus, according to the address of each cumulative one. Long press button, the address code will quickly flip. The largest address is 511. Button - used to address less, Short press button the address decreasing 1 one time, Long press button, the address code will quickly flip. Minimum address 0.

3, Not receive DMX signal can be used as a manual dimmer, current address code is the brightness level.

Note: The factory default address code is set to 1

3, Into the C option (Current option), A total of five current options. Set to 1 when the current is 300mA. Other counterpart is: 2—350mA, 3—500 mA, 4—650 mA, 5—700mA.

4, Into the U option (brightness increase option), There are five brightness increase. For each additional, representing an increase of five brightness.

◆ Drive output interface

Total positive drive, With a V + interface and 3-channel R, G and B output interface, Can be accessed by the module of a variety of full-color and monochrome module automatically adjust the output current of the lamp module to load

NOTE: For full-color module of male connector, can directly connect the positive line and the R, G, B control line to the decoder output interface pin.

For Monochrome modules, can connect the positive line to the decoder output interface V + feet. Negative line according to the color of the module connected to the decoder output interface of the R, G, B pin.

Several colors monochrome module received with a decoder, Shall their line receiving the output of the decoder interface V + pin.

6 Installation Notes

- 1、Input voltage must be fit the production work voltage
- 2、Do not overload
- 3、Installed in a ventilated and dry environment
- 4、Before commissioning of the power, should ensure that all wiring is correct before electricity.
- 5、If failure, do not secretly maintenance, please contact the supplier