

PX805

DMX512/RDM Constant Current Decoder

Feature

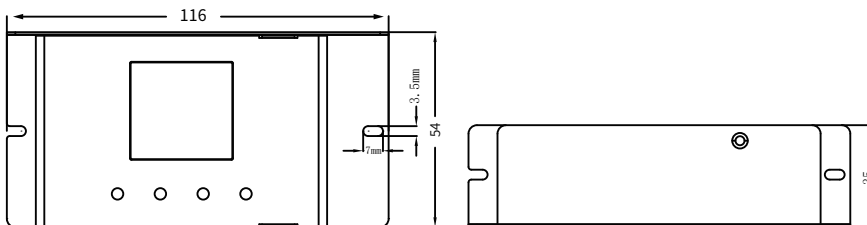
- Meet DMX512/1990, RDM/2009 international standard protocol
- 5 output channels, output current 150 to 900 mA per channel, 16 gears adjustable, 50mA per gear change
- Can easily set DMX address by button
- Can easily set output current each channel
- With the light color selected mechanism, and be able to control the light with 1~5 colors
- 8 Bit /16 Bit level brightness, full-color control
- For customer setup and use easily, the default address code is 1
- Address setting become brightness setting when DMX signal isn't connected
- Suitable for buildings, hotels, KTV, home and other places



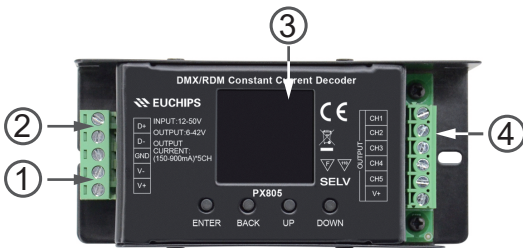
Technical Parameter

Channels	5 channels
Input Voltage	12-50V DC
Standby power	<0.5W
No load power	<1W
Output Voltage	6-42V DC
Output Current	150-900mA per channel (Factory Defaults:150mA)
Output Current Tolerance	$\leq 300\text{mA} \pm 7\%$, $> 300\text{mA} \pm 5\%$
Output Power	37.5W*5CH MAX187.5W
Protection	Short-circuit protect, Overcurrent protect
Dimension	116(L)×54(W)×35(H) mm
N.G.	235g
Operation Temperature	-20 - 50 °C
Lifetime	50,000h
Warranty	5 years

Product Size

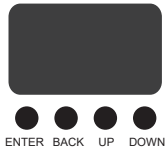


Interface Description



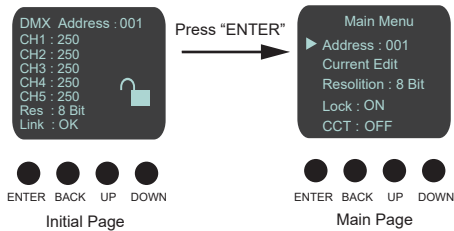
- (1) Power input interface
- (2) DMX/RDM Signal input and output
- (3) OLED Screen
- (4) Output interface

OLED Screen Description



Button Name	Function
Enter	Enter Button (focus on the option menu pointed by the cursor and enter the state of this option menu.
BACK	Back Button, return to the previous menu exit the state of this option
Up	Move the cursor up, change the state of the option
Down	Move the cursor down, change the state of the option

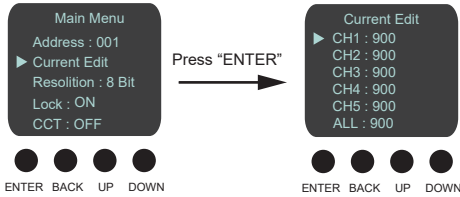
The product restores the default initial page which shows the current parameter information and working status when power on again. Please press "ENTER" to homepage. If there is no operation in 1 minute, the OLED screen will restore the initial page.



DMX Address setting

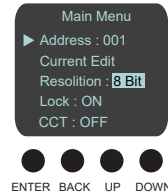
Press "up" or "down" key to set DMX Address

Address : 1-511 adjustable



Current Edit

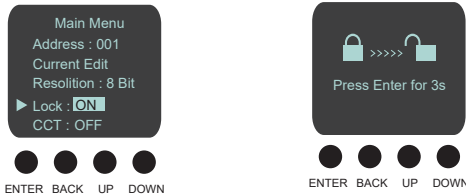
CH1 : 150-900mA adjustable
CH2 : 150-900mA adjustable
CH3 : 150-900mA adjustable
CH4 : 150-900mA adjustable
CH5 : 150-900mA adjustable
ALL : 150-900mA adjustable



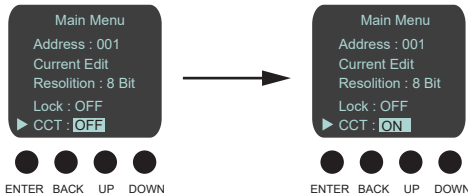
Resolution setting

Press "up" or "down" key to set resolution

Resolution : 8Bit
16Bit

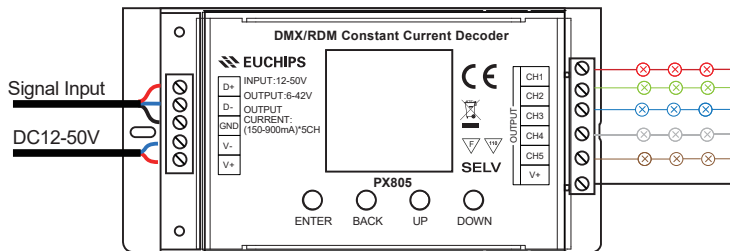


Lock : ON
Screen will be locked if unmaned operation for 1 min , press "Enter" key for 3s to unlock



Turn on the color temperature mode in channels 4 and 5
Channel 4 regulates brightness and
channel 5 regulates tunable white

Wiring Diagram



Installation Notes

1. This controller is a buck type, not a boost type. The input voltage is supplied by a constant voltage power supply with appropriate power. The output voltage of the constant voltage power supply should be in the range of 12 - 50V, such as 12V, 24V, 36V and 48V. At the same time, the voltage of this constant voltage power supply should be at least 6V higher than the service voltage of the lamp connected to the controller's output terminal. If the service voltage of the lamp is 9V, then the constant voltage power supply should be 24V, 36V or 48V, such as 36V, the constant voltage power supply should be 48V.
2. Do not overload
3. Installed in a ventilated and dry environment , should ensure that all wiring is correct before electricity
4. Before commissioning of the power
5. If failure, do not secretly maintenance, please contact the supplie

PX805

DMX512/RDM 恒流解码器

产品特点

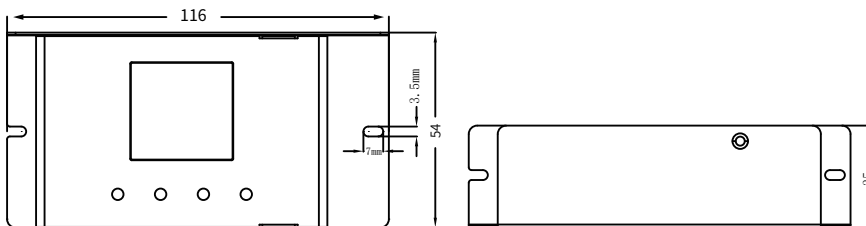
- 符合 DMX512/1990, RDM/2009 国际标准协议
- 5通道输出，每通道输出电流150-900mA，16档可调，每档变化50mA
- 可通过按钮，灵活设定DMX地址
- 可灵活设置每通道的输出电流
- 具有灯具颜色选择机制，可控制具有1~5种基本颜色的灯具
- 8 Bit/16 Bit 灰度等级，全彩控制
- 为方便安装使用，产品出厂时地址码默认为1
- 可广泛适用于楼宇，酒店，KTV及家居等场所



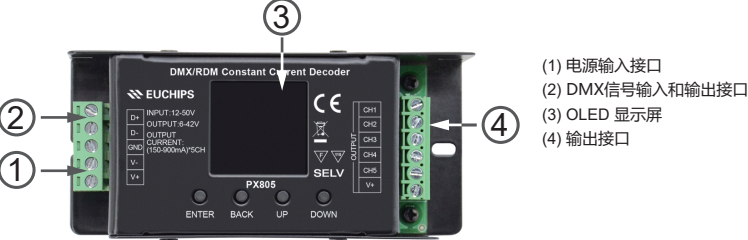
技术参数

通道	5 通道
输入电压	12-50V DC
待机功耗	<0.5W
空载功耗	<1W
输出电压	6-42V DC
输出电流	150-900mA / 通道(出厂默认150mA)
输出电流精度	≤300mA ±7%, >300mA ±5%
输出功率	37.5W*5CH Max187.5W
保护	短路保护，过流保护
尺寸	116(长)×54(宽)×35(高) mm
重量	235g
工作温度	-20 - 50 °C
寿命	50,000小时
质保	5年

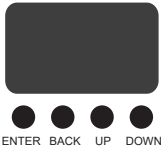
产品尺寸



接口说明

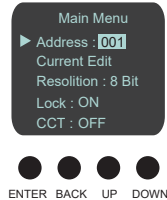
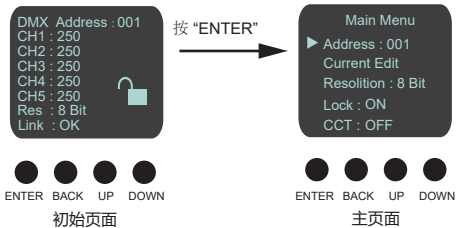


OLED 显示屏说明



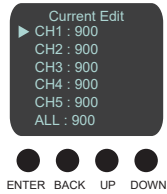
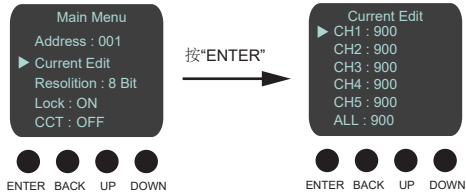
按键名称	功能
Enter	确定键，选中光标所在选项，进入该选项
BACK	返回键，返回上级菜单，退出该选项
Up	向上移动光标，改变选项状态，在设置亮度，速度，地址时长按，设置值迅速增加
Down	向下移动光标，改变选项状态，在设置亮度，速度，地址时长按，设置值迅速减小

产品每次重新上电和都会恢复到默认的初始页面，初始页面会显示当前设置的参数信息和工作状态，按下“ENTER”键进入到主页面，若1分钟内无任何操作，OLED屏幕将会恢复到初始页面。



DMX 地址设置

按“up” or “down”键可设置DMX地址
地址：1-511 可调



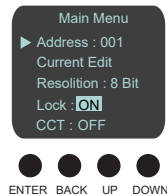
电流修改

CH1 : 150-900m A 可调
CH2 : 150-900m A 可调
CH3 : 150-900m A 可调
CH4 : 150-900m A 可调
CH5 : 150-900m A 可调
ALL : 150-900m A 可调



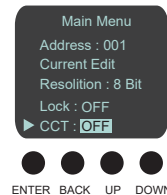
灰度等级设置

按 "up" or "down" 键可设置灰度等级
Resolution : 8Bit
16Bit



屏幕锁：打开

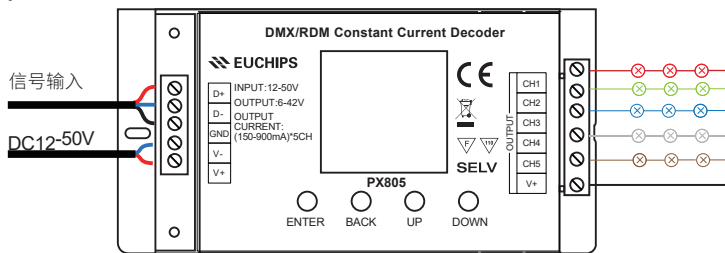
当屏幕锁打开时，若在1分钟内无任何操作，
屏幕将自动被锁定。
长按 "Enter" 键3秒钟解锁



第4、5通道开启色温模式

第4通道调节亮度，第5通道调节色温

接线图



安装注意事项

- 1、本控制器为降压型，不是升降压型，输入电压由合适功率的恒压电源供电，恒压电源的输出电压应在12-50V范围内，如12V，24V，36V，48V的恒压电源，同时，这个恒压电源的电压应至少高出控制器输出端所接灯具的使用电压6V以上，如灯具的使用电压是9V，那么恒压电源应选择24V，36V或48V的电源，如灯具的使用电压是36V，那恒压电源应选择48V。
- 2、不可超负荷使用。
- 3、安装在通风干燥的环境中。
- 4、通电调试前，应确保所有接线正确方可通电。
- 5、如果发生故障，请勿私自维修；如果有疑问，请联系供应商。