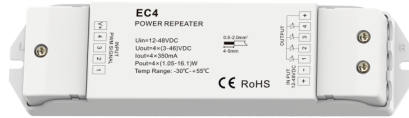


## 4 Channel Constant Current Power Repeater

Model No.: EC4(350mA) / EC4(700mA)

4 Channel/PWM signal input/Constant voltage output/3KV optoelectronic isolation



CE RoHS  LVD

### Features

- 12-48V constant current power repeater.
- 4 channel, 350mA per channel.
- To receive PWM signal control.
- Power repeater in parallel to expand output unlimitedly.
- Apply to single color, dual color, RGB or RGBW constant current LED lamps.

### Technical Parameters

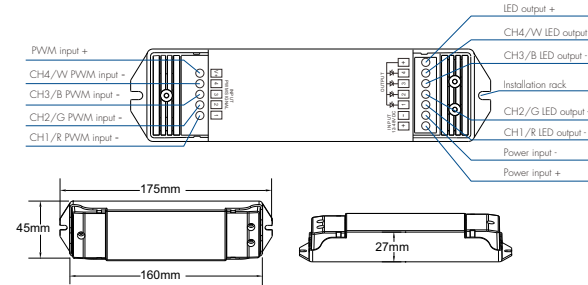
Input and Output	
Input voltage	12-48VDC
Input signal	PWM, 4CH
Output voltage	4 x (3-46)VDC
Output current	4CH, 350mA or 700mA/CH
Output power	4 x (1.05-16.1)W (350mA) 4 x (2.1-32.2)W (700mA)
Output type	Constant current

Warranty and Protection	
Warranty	5 years
Protection	Reverse Polarity Short circuit

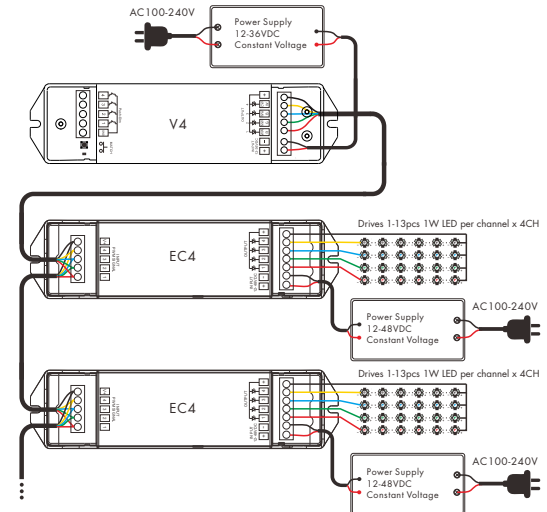
Safety and EMC	
EMC standard (EMC)	EN301 489, EN 62479
Safety standard(LVD)	EN60950
Certification	CE, EMC, LVD

Environment	
Operation temperature	Ta: -30°C ~ +55°C
Case temperature (Max.)	Tc: +85°C
IP rating	IP20

### Mechanical Structures and Installations



### Wiring Diagram



1. The LED quantity at each channel can be different, the power repeater could auto check and output a proper voltage to each channel according to its LED quantities.
2. The power repeater works on buck mode, the voltage of power supply should be greater than the total voltage of the series LEDs.
3. If connected with single color LED, the output current can be 700, 1050 or 1400mA when connecting 2,3 or 4 channel, but the multiple LED output can not be connected together, otherwise result in error output current.

## Safety & Warnings

1. The product shall be installed and serviced by a qualified person.
2. This product is non-waterproof. Please avoid the sun and rain.
3. Good heat dissipation will prolong the working life of the controller, Please ensure good ventilation.
4. Please check if the output voltage of any power supplies used comply with the working voltage of the product.
5. Ensure all wire connections and polarities are correct and secure before applying power to avoid any damages to the LED lights.
6. If a fault occurs please return the product to your supplier. Do not attempt to fix this product by yourself.