V4-HP

4CH 48V Constant Voltage LED Strip Protective Filter

Features

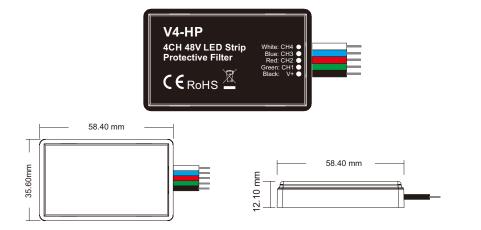
- Dedicated filter for 12-48V constant voltage controller.
- Used to suppress reverse voltage caused by parasitic inductance in LED strip, protecting LED beads from breakdown damage and extending the service life of LED strip.
- 2KHz ~ 8KHz PWM dimming controller supported.
- It is particularly suitable for the protection of 48V constant voltage RGBW LED strip
- It is recommended that the maximum load current of the LED strip does not exceed 5A to avoid affecting the filtering effect.



Technical Parameters

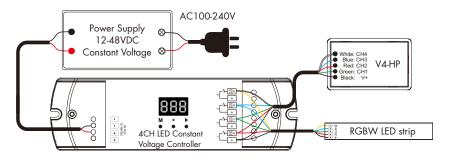
Electrical Parameters		Safety and EMC	
Work voltage	12-48VDC		EN IEC 55015/
Environment		—— EMC standard	EN IEC 61547-1/-2 ETSI EN 301 489-1/-17
Operation temperature	Ta: -20°C ~ +55°C	Safety standard	EN 61347-1/-2 EN 62493
IP rating	IP20		
Package		Certification	CE RoHS
Size	L 80 x W 45 x H 30mm	Warranty	
Gross weight	0.037kg	Warranty	5 years

Mechanical Structures and Installations

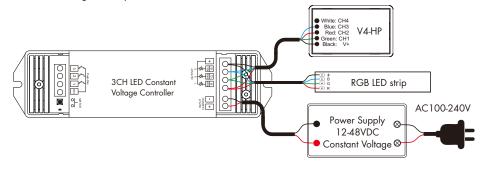


Wiring Diagram

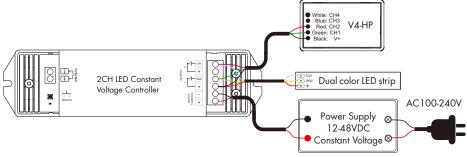
• For RGBW constant voltage LED strip



• For RGB constant voltage LED strip



• For CCT constant voltage LED strip



Note:

The V4-HP multi channel filter is only suitable for colour temperature/RGB/RGBW light strips. For connecting monochrome light strips, please ensure you select the V1-HP single channel filter.

Safety & Warnings

- 1. The product should be installed and maintained by a professional.
- 2. Good heat dissipation can extend the service life of the controller. Please ensure good ventilation.
- 3. Please check whether the output voltage of the power supply used meets the operating voltage of the product.
- 4. Before powering on, ensure that all wire connections and polarity are correct and secure to avoid damaging the product and LED lights.
- 5. In case of malfunction, please return the product to the supplier. Do not attempt to repair this product yourself.