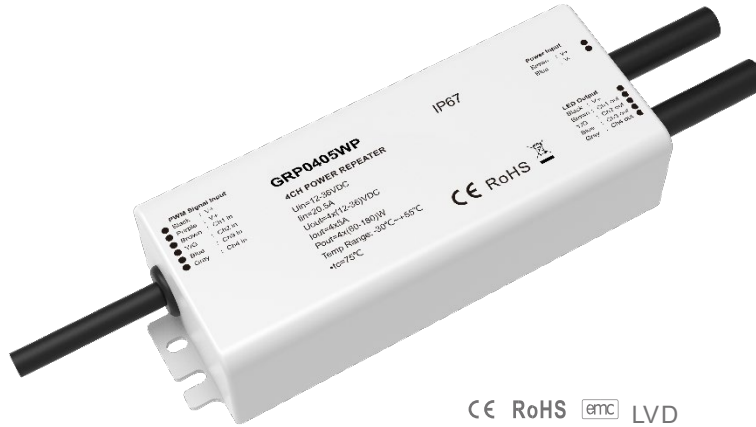


4 Channels Constant Voltage Waterproof Power Repeater

Model No.: GPR0405WP

IP67 Waterproof/4 Channels/PWM signal input/Constant voltage output/3KV optoelectronic isolation



CE RoHS LVD

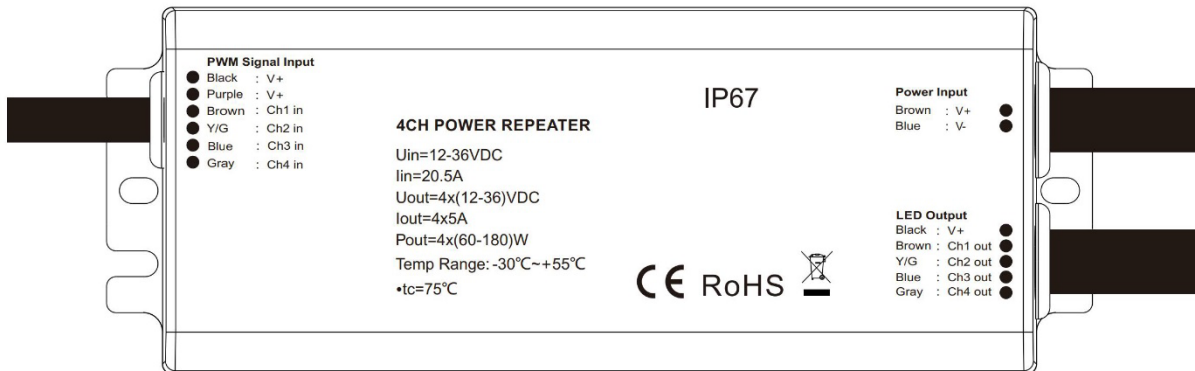
Features

- Waterproof 12-36V constant voltage power repeater with IP67 rating, suitable for outdoor and damp environment.
- 4 channels, 5A per channel.
- To receive PWM signal control.
- Power repeater in series or in parallel to expand output unlimitedly.
- Apply to Single color, Hybrid, RGB and RGBW constant voltage LED strip or module.

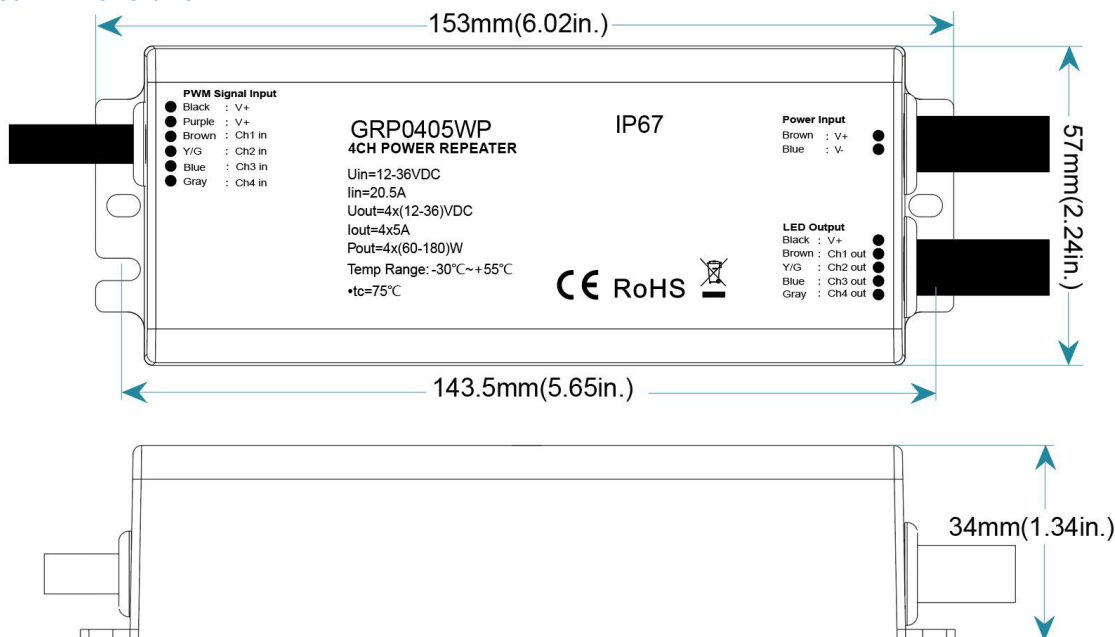
Technical Parameters

Input and Output		Safety and EMC		Environment	
Input voltage	12-36VDC	EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3	Operation temperature	Ta: -30 °C ~ +55°C
Input current	20.5A		ETSI EN 301 489-17 V3.2.4	Case temperature (Max.)	Ta: +85°C
Input signal	PWM	Safety standard(LVD)	EN 62368-1:2020+A11:2020	IP rating	IP67
Output voltage	12-36VDC	Certification	CE,EMC,LVD	Protection	
Output current	4CH,5A/CH	Warranty		Protection	Reverse Polarity Over-heat Over-load Short circuit
Output power	240W (@12V), 480W(@24V) 720W(@36V)	Warranty	5 years		
Output Type	Constant voltage	Package			
		Size	L165 x W98 x H72mm		
		G.W	0.492KG		

Mechanical Structures and Installations

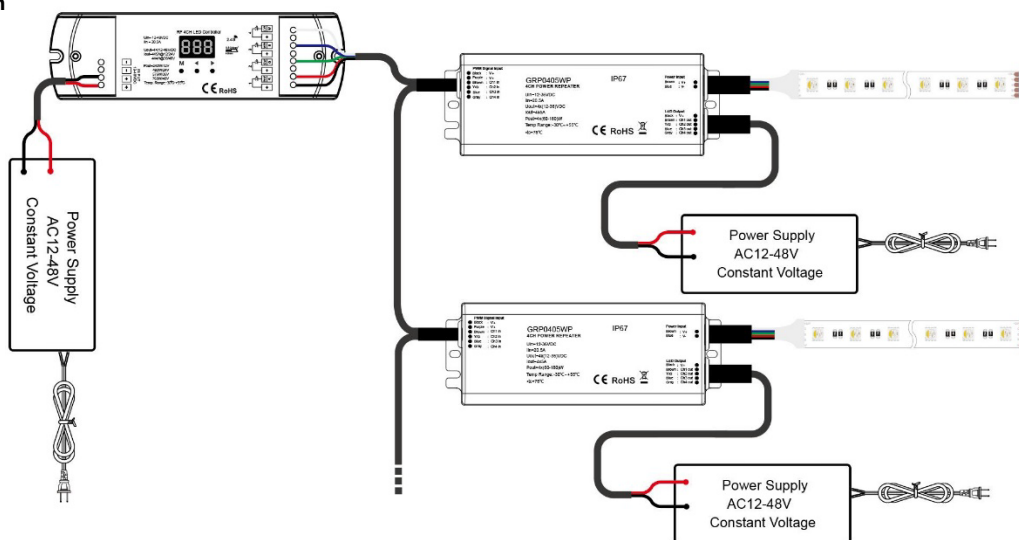


Mechanical Dimensions

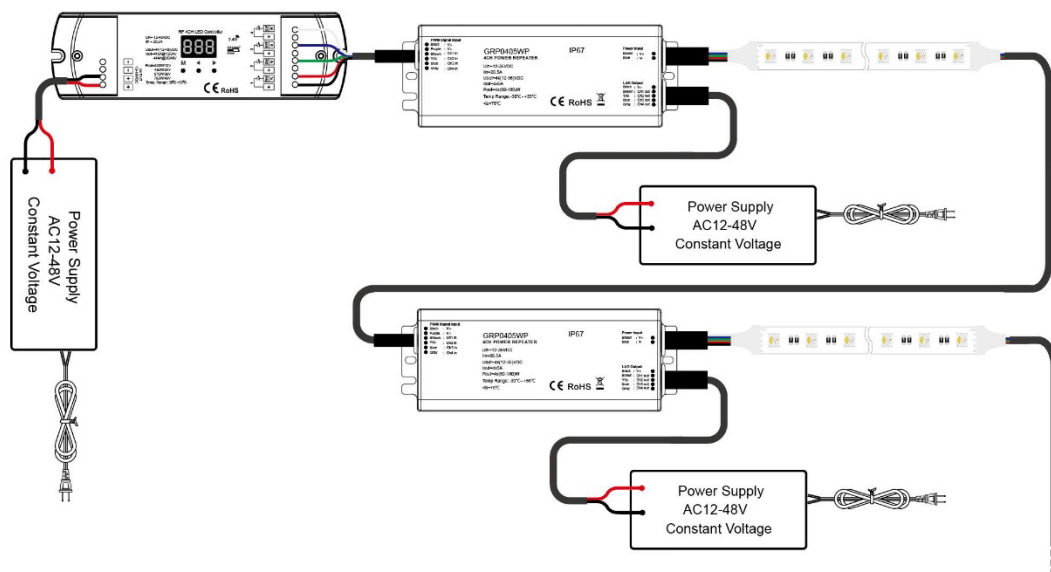


Wiring Diagram

Parallel connection



Series connection



Malfunctions analysis & troubleshooting

Malfunctions	Cause	Troubleshooting
No light	1. No power. 2. Wrong connection or insecure.	1. Check the power. 2. Check the connection.
Wrong color	1. Wrong connection of R/G/B/W wires.	1. Reconnect R/G/B/W wires.
Uneven intensity between front and rear, with voltage drop	1. Output cable is too long. 2. Wire diameter is too small. 3. Overload beyond power supply capability. 4. Overload beyond controller capability.	1. Reduce cable or loop supply. 2. Change wider wire. 3. Replace higher power supply. 4. Add power repeater.

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.

