2 ChannelS Constant Voltage Power Repeater

Model No.: GPR0208

2 Channel/PWM Signal Input/Constant Voltage Output



CE RoHS emc LVD

Features

- 12-36V constant voltage power repeater.
- 2 channels, 8A per channel.
- To receive PWM signal control.
- Power repeater in series or in parallel to expand output unlimitedly.
- Apply to single color constant voltage LED strip or module

Technical Parameters

Input and Output	
Input voltage	12-36VDC
Input current	16.5A
Input signal	PWM
Output voltage	2×(12-36)VDC
Output current	2ch, 8A/ch
Output power	2×(96-288)W
Output power	Constant voltage

Safety and EMC	
EMC standard (EMC)	EN IEC 55015:2019+A11:2020 EN 61547:2009 EN IEC 61000-3-2:2019+A11:2021 EN 61000-3-3:2013+A11:2019
Safety standard(LVD)	EN 61347-1:2015+A1:2021 EN 61347-2 13:2014+A1: 2017
Certification	CE,EMC,LVD

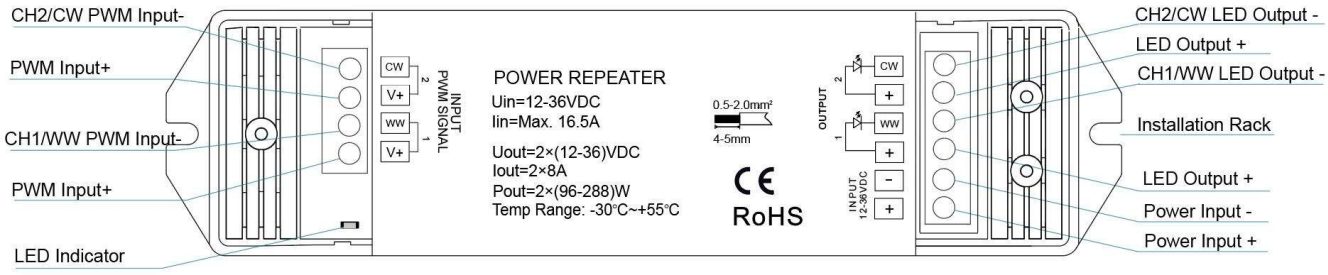
Warranty	
Warranty	5 years

Package	
Dimension	L178x W50 x H38mm

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

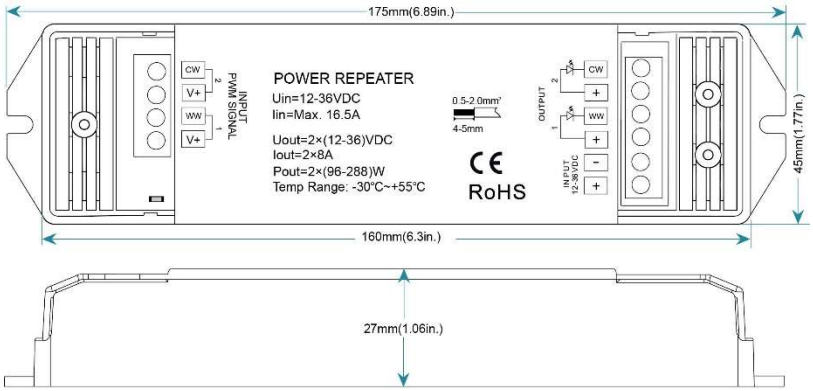
Protection	
Protection	Reverse polarity Over-heat Short circuit

Mechanical Structures and Installations



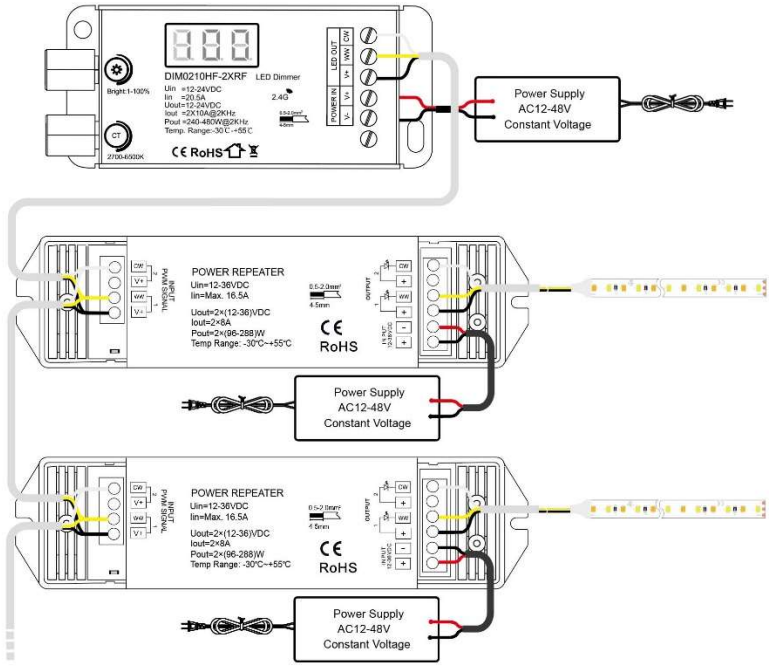
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Mechanical Dimensions

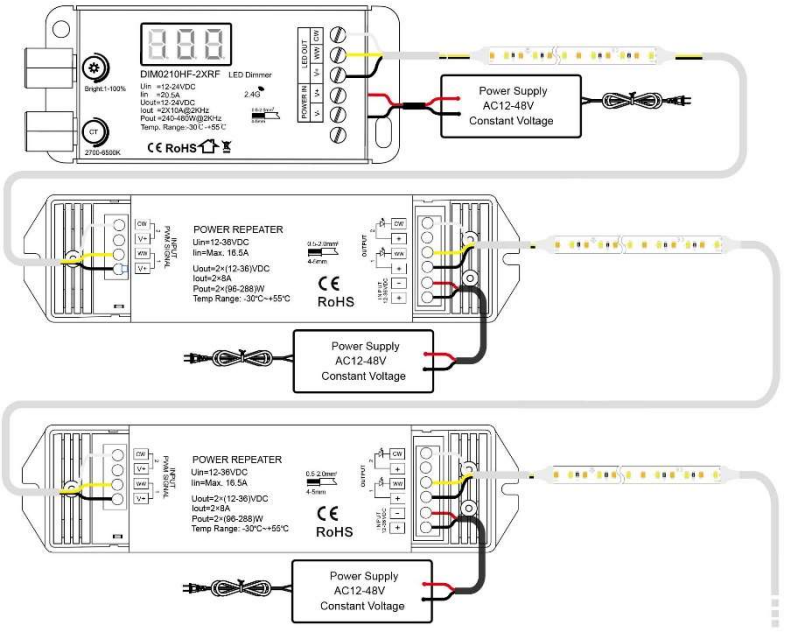


Wiring Diagram

Parallel connection



Series connection



Note: If the power repeater is over heat, over load or short circuit, the ALARM LED indicator will blink

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Malfunctions analysis & troubleshooting

Malfunctions	Cause	Troubleshooting
No light	1. No power. 2. Wrong connection or insecure.	1. Check the power. 2. Check the connection.
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.

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