

LCDRSD-EV4-H

4 Channel Constant Voltage Data Repeater



Features

- High Maximum Voltage (12-60VDC)
- Reverse Polarity Protection
- Covered Connections
- 3KV Optoelectronic Isolation
- Compatible with Single Colour, Dual Colour, RGB or RGBW Constant Voltage LED Strip/Modules

Applications

- Extending RGBW strip loads when the RGBW controller has insufficient capacity
- Bars, restaurants, office and home lighting
- Single colour dimming using the individual channels

Technical Parameters

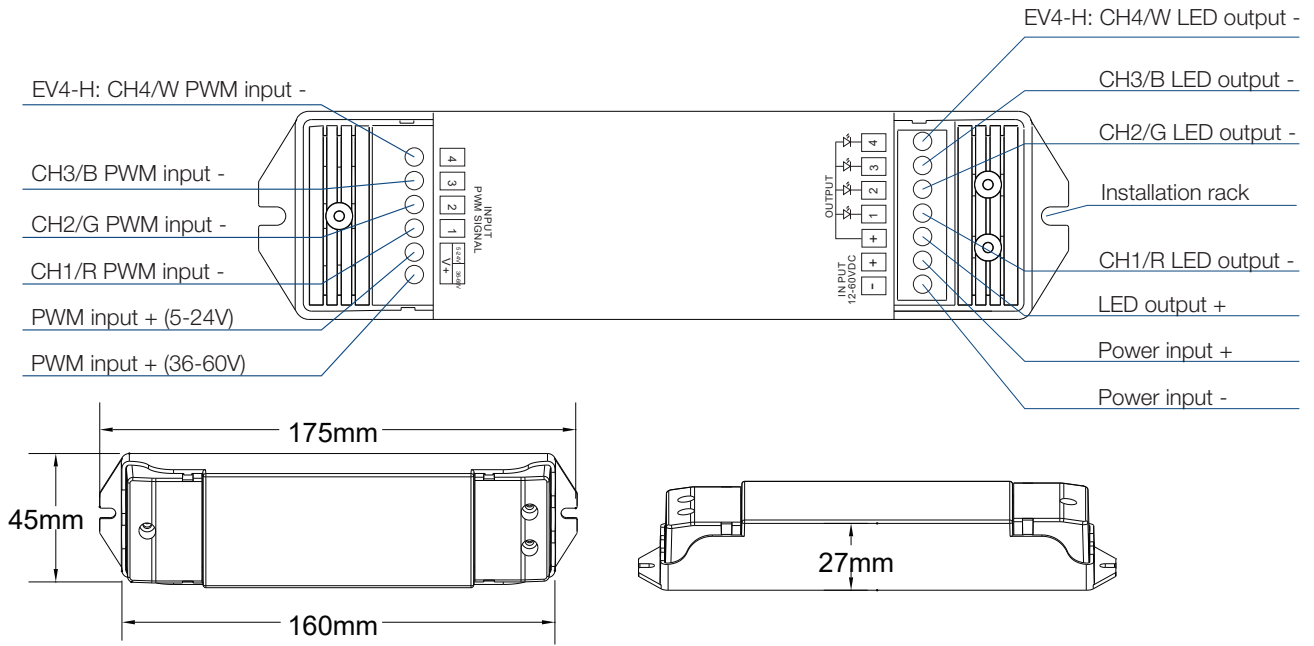
Input and Output	
Input voltage	12-60VDC
Input current	20A max
Input signal	PWM(4CH, 5-24V or 36-60V)
Output voltage	4 x (12-60) VDC
Output current	4CH x 5A max
Output power	4 x (60-30)W max
Output type	Constant Voltage

Safety & EMC	
EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Safety standard	EN 62368-1:2020+A11:2020

Warranty and Protection	
Warranty	5 years
Protection	Reverse polarity

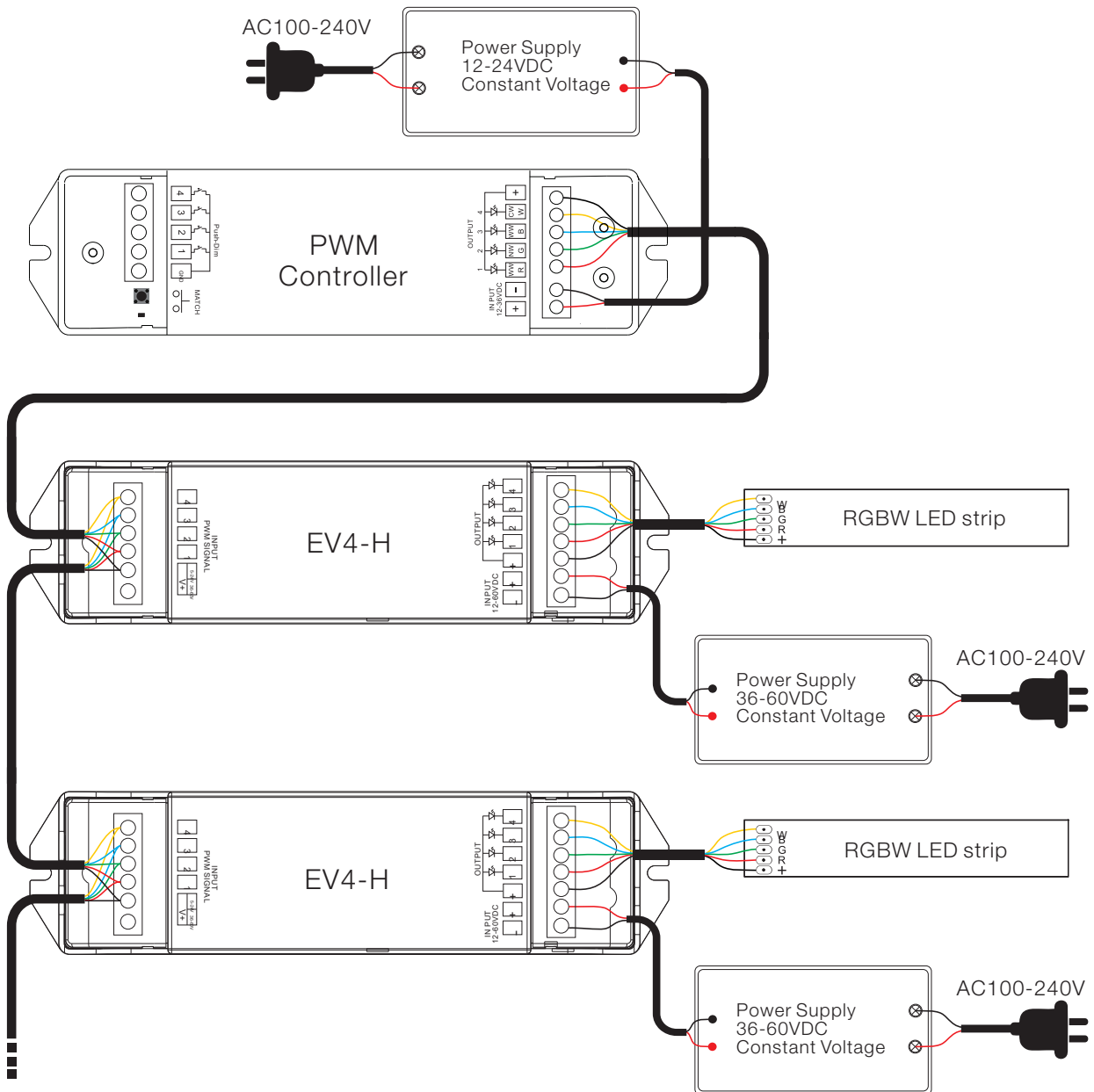
Environment	
Operation temperature	Ta: -30°C ~ +55°C
Max case temperature	Tc: +85°C
IP rating	IP20

Mechanical Structures and Installations

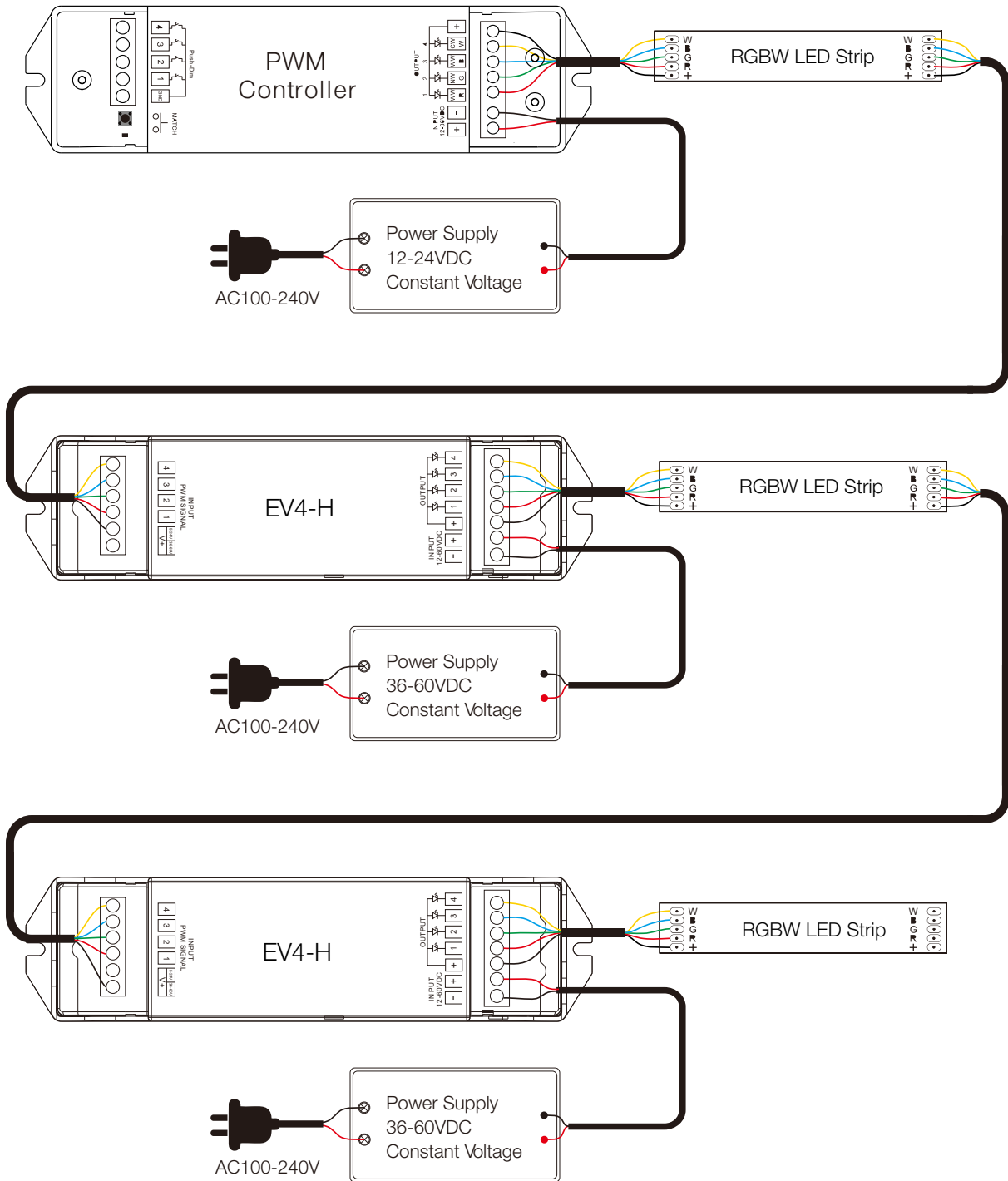


Wiring Diagram

Parallel Connection



Series Connection



Malfunctions Analysis & Troubleshooting

Malfunction	Causes	Troubleshooting
No light	<ol style="list-style-type: none"> 1. No power 2. Wrong connection or insecure 	<ol style="list-style-type: none"> 1. Check the power 2. Check the connection
Wrong Colour	<ol style="list-style-type: none"> 1. Wrong connection of R/G/B/W wires 	<ol style="list-style-type: none"> 1. Reconnect R/G/B/W wires
Uneven intensity between front and rear, with voltage drop	<ol style="list-style-type: none"> 1. Output cable is too long 2. Wire diameter is too small 3. Overload beyond power supply capability 4. Overload beyond controller capability 	<ol style="list-style-type: none"> 1. Reduce cable or loop supply 2. Increase cable size 3. Increase wattage of power supply 4. Add data repeater

While every effort has been made to ensure the accuracy of all information provided Task Lighting can not be held responsible for any errors. Task Lighting also reserves the right to modify/delete product details without notice.