



TECHNICAL SPECIFICATIONS

- PWM signal input
- 3KV optoelectronic isolation
- Power repeater in series or in parallel
- Unlimited expansion length
- For single or dual color, RGB or RGBW LED strip
- Weight : 0.120kg

INPUT AND OUTPUT

- Input voltage : 12-36VDC
- Input current : 20.5A
- Input signal : PWM
- Output voltage : 4 x (12-36)VDC
- Output current : 4 channel (5A each)
- Output power : 4 x (60-180)W
- Output type : Constant voltage

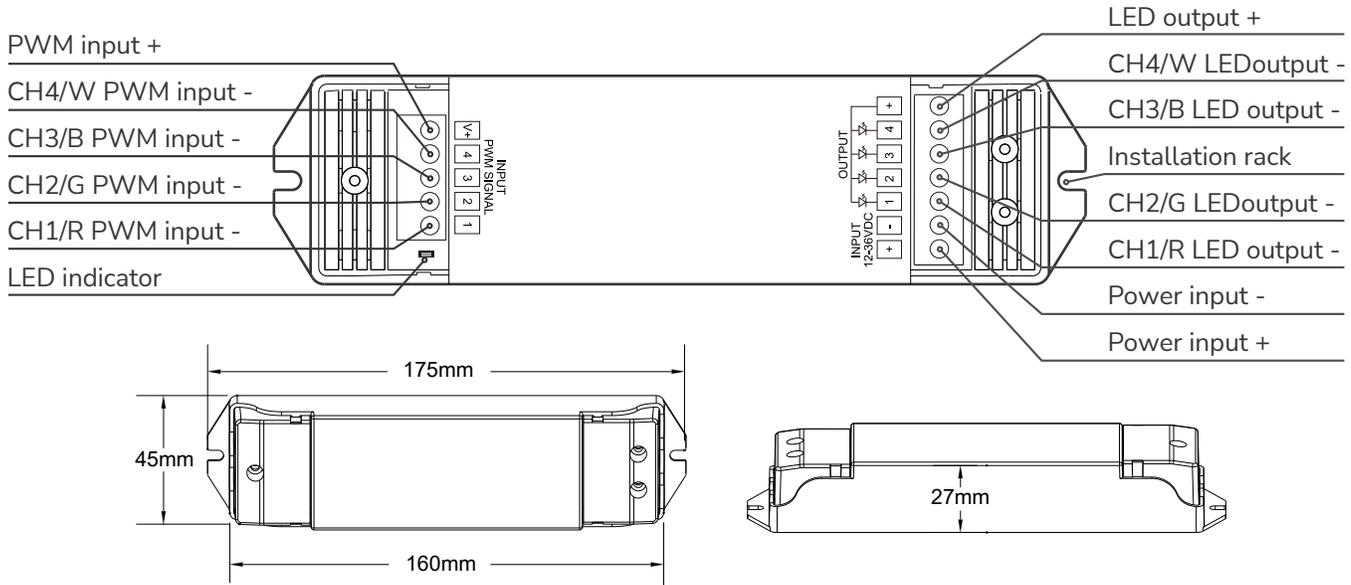
ENVIRONMENT

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

SAFETY AND EMC

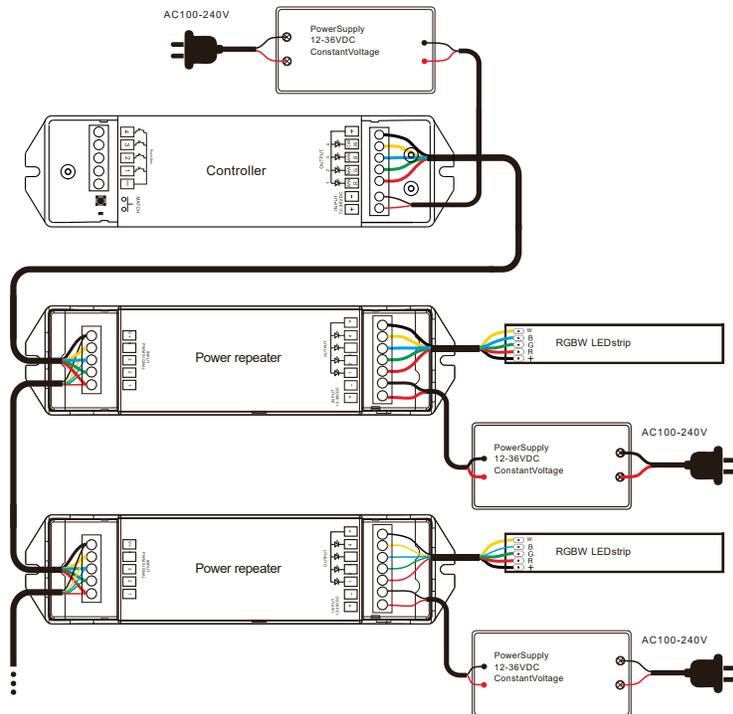
- EMC standard : ETSI EN 301 489-1 V2.2.3, ETSI EN 301 489-17 V3.2.4
- LVD standard : EN 62368-1 : 2020+A11:2020
- Certification : CE, EMC, LVD
- Warranty : 3 years
- Protection : Reverse polarity, Over-heat and short circuit

MECHANICAL STRUCTURE



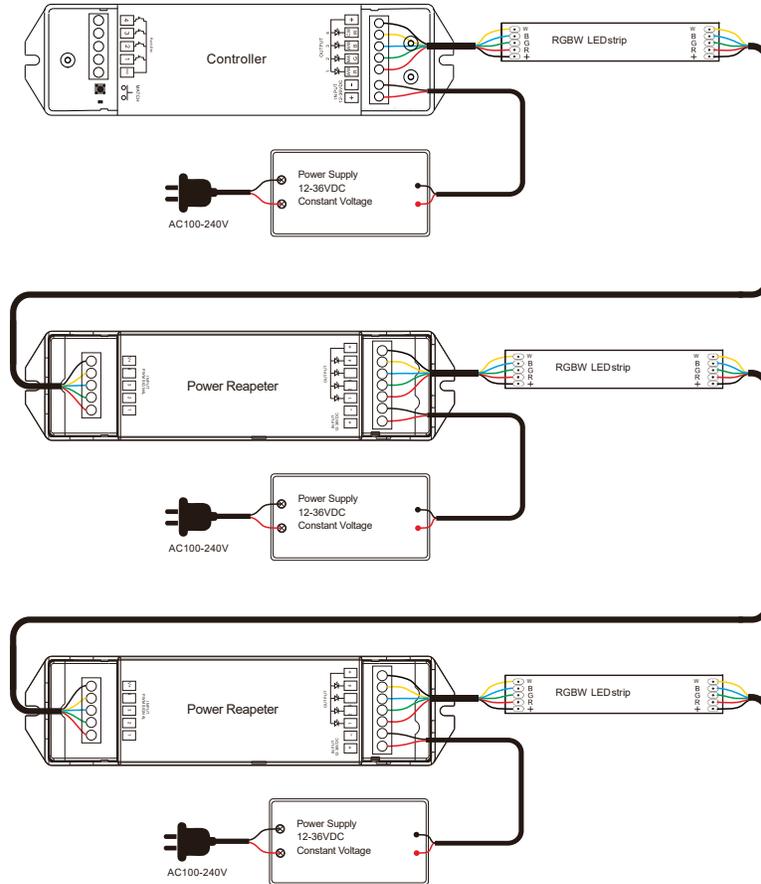
INSTALLATION

Parallel connection



INSTALLATION

Series connection



Note: If the power repeater is over heating or short circuiting, the LED indicator will blink.

MALFUNCTIONS ANALYSIS & TROUBLESHOOTING

Malfunctions	Causes	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 istoolong. 2. Wire diameter istoo 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.