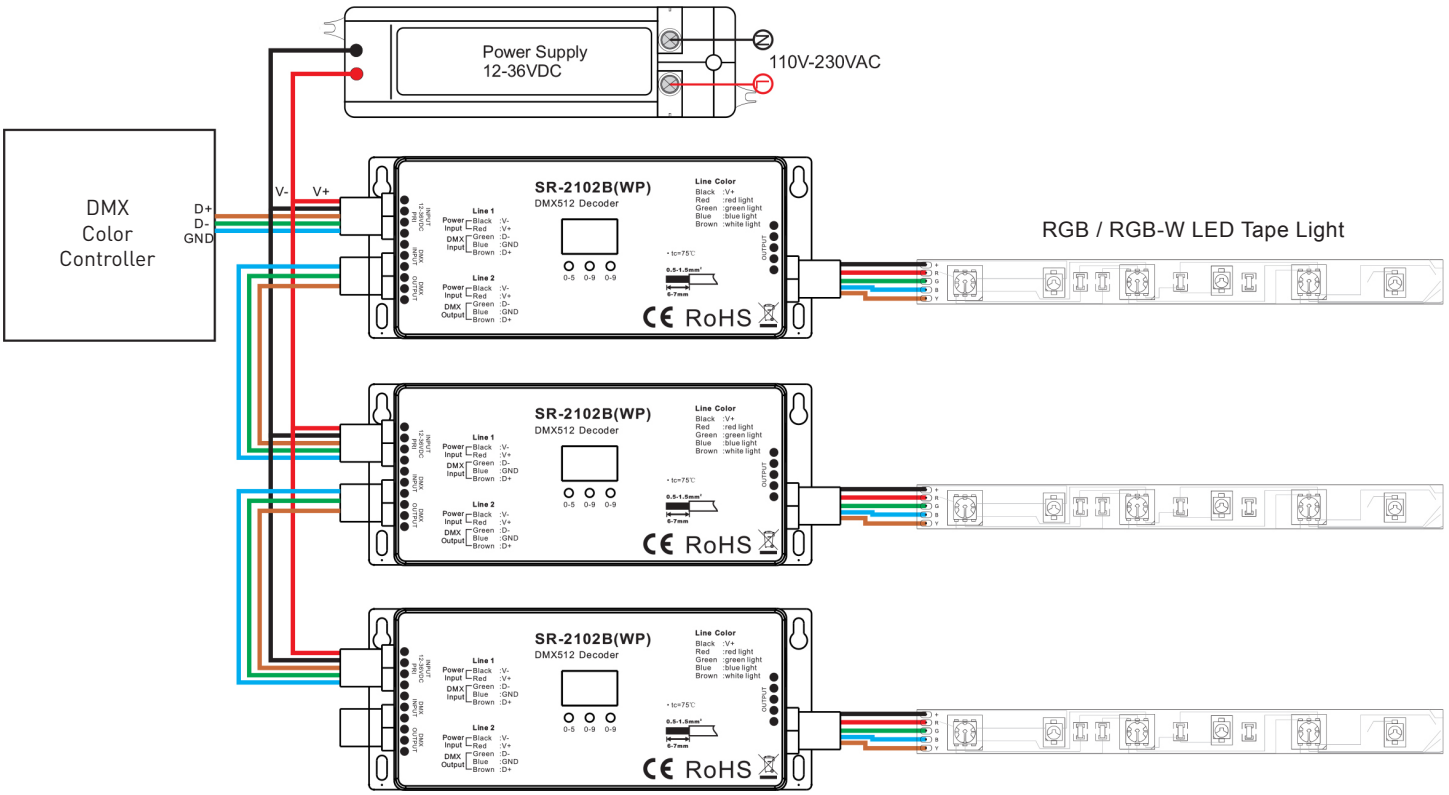
Wet Location DMX Decoder
AL-60-03-0006

The Wet Location DMX Decoder translates signals from DMX color controllers, such as the Nicolaudie series, into the analog signal used by Radialux™ RGB and RGB-W tape lights. This powerful decoder not only supports large installations with a clean, consistent signal, but is also easy to address with the digital interface. This wet location decoder has all the features of the dry location model in an IP67 form factor that can be used in wet indoor spaces or outdoors.

Specifications

- Input Voltage: 12-36V DC
- Max. Wattage: 5A per channel
- Output Voltage:120W (24V)
- Constant Voltage
- Operating Temperature: -20°C~+50°C, -4°F~122°F

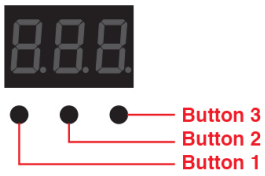
Wiring Diagram



Operation

Setting DMX Decoder Address

Set the DMX Decoder address as follows; **Button 1** set "hundreds place" , **Button 2** set "tens place" , **Button 3** "ones place."



Turn on the power of the DMX Decoder.

Choose Channel

Press **Button 2** and **Button 3** at the same time for 2 seconds, channel digital display flashes, then press **Button 1** to choose 1/2/3/4, 3 means total 3 channels, 4 means total 4 channels. Press any button for 2+ seconds to confirm the 1, 2, 3 or 4 channels. The factory preset default is 4 channels outputs.

Set DMX address

Press **Button 1** for 2 seconds, digital display flashes to set the required DMX address, then press any button for 2+ seconds to confirm.

Choose PWM Frequency

Press 1st button and 3rd button for 2 seconds, digital display flashes to show **P-c**.

P means PWM frequency, press 1st to show "1", means 1500Hz, "2" means 200Hz.

c means dimming options, press 3rd to show "1", means logarithmic dimming, "2" means linear dimming.

The factory preset default is PWM frequency 200Hz with linear dimming, 2-2.

Safety & Warnings

- This product should be installed and serviced by a qualified tecnician.
- Do not expose this unit to water. When installed outdoors, ensure it is mounted in a water proof enclosure.
- Always mount this unit in an area with proper ventilation to avoid overheating.
- Never connect any cables while power is on. Before switching on, ensure connections are correct to avoid short circuits.

Troubleshooting

- Check if the output voltage of any LED power supplies used comply with the working voltage of the product.
- Ensure that the cable is secured tightly in the connector.
- Check that the wires coming from the fixture match the contacts on the Receiver, e.g. red is connected to red, blue is connected to blue, etc.

Dimensions