

LR15X

Outdoor RGB Amplifier/Repeater

Item ref: 154.124UK

User Manual



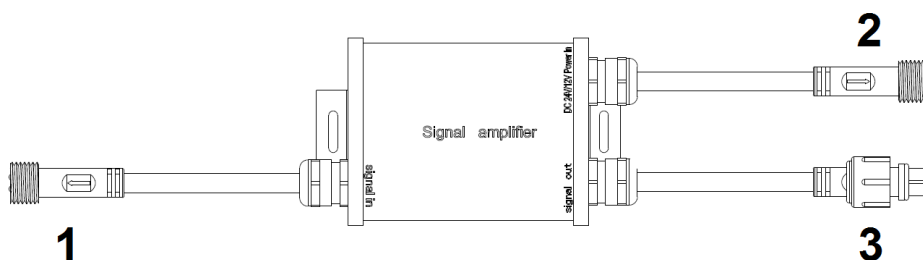


Caution: Please read this manual carefully before operating
Damage caused by misuse is not covered by the warranty

Introduction

The LR15X is an IP65 signal repeater designed to allow expanded arrays of outdoor 12V or 24V RGB LED lighting products. Any RGB LED controller has a limited amount of current capacity, which means that it can only control a limited number of lamps or luminaires. The LR15X acts as a signal repeater or amplifier so that further RGB LED units can be added to existing controlled luminaires and the colour control will be repeated across both units. Typical RGB luminaires may be underwater, deck lights, spot lights or LED strips.

Layout

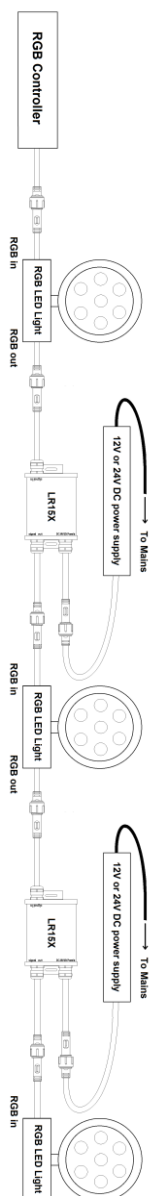


- | | |
|------------------------|---|
| 1. Signal in | IP65 4-pin connector for R, G, B, V+ input |
| 2. DC 24V/12V power in | IP65 2-pin 12Vdc or 24Vdc power supply connection |
| 3. Signal out | IP65 4-pin connector for R, G, B, V+ output |

Setting up

- Connect the RGB output connector from an outdoor RGB LED luminaire that is being colour controlled to the "Signal in" lead (1) of the LR15X
- Connect the RGB input connector to another outdoor RGB LED luminaire that is follow the same colour control to the "Signal out" lead (3) of the LR15X
- Connect an appropriate DC power supply for the LED lighting units (either 12V or 24V) to the 2-pin connector labeled "DC 24V/12V power in" (2)

Example of connection with RGB LED washers



Specifications

Voltage	12/24Vdc
Working temperature	-20°C - 65°C
Max current per channel	5A
Connections	IP65 RGB in, RGB out, DC12/24V in
IP rating	IP65
Dimensions	98 x 68 x 28mm (ex leads)
Weight	168g



Disposal: The "Crossed Wheelie Bin" symbol on the product means that the product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.

*Errors and omissions excepted.
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