

DIM-0101CH(N) 1 channel analogue decoder

Product Description

This single channel analogue decoder is a single output module, featuring PWM smooth dimming from 0-100%. This product is compact and easy to install and is compatible with standard 0/1-10v protocols.

Product Image



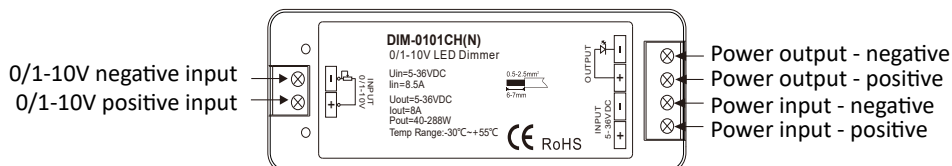
Technical Specification

Decoder	
Order Code	DIM-0101CH(N)
Type	analogue decoder
Input Voltage	5-36VDC
Current	1X8A
Output	40-288W
Note	Constant voltage
Dimension	33x97x18mm (WxLxH)

Features

- 1 channel 0/1-10V signal input
- PWM dimming output can achieve 4096 levels of flickerless dimming
- 0-100% smooth dimming
- Compatible with 0-10V, 1-10V dimmers
- Compatible with signal repeater to expand your LED lighting.

Decoder layout

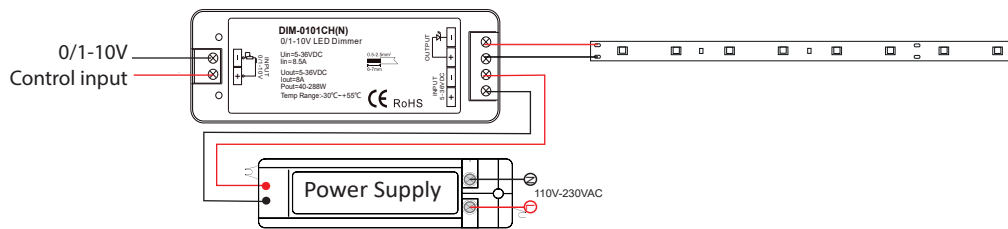


Troubleshoot

Problem	Cause	Corrective
No light	<ul style="list-style-type: none"> • No power. • Wrong connection or unsecure connection. 	<ul style="list-style-type: none"> • Check the power. • Check the connection.
Uneven intensity between front and rear of the strip, with voltage drop	<ul style="list-style-type: none"> • Output cable is too long. • Cable diameter is too small. • Overload beyond driver capability. • Overload beyond receiver capability. 	<ul style="list-style-type: none"> • Reduce cable or loop supply. • Change to a thicker cable. • Replace with a suitable higher power driver. • Add a power repeater.

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Decoder wiring diagram for single colour strip



The input control 0/1-10V signal wire should be firmly attached by tightening the screws on the receiver terminal.

The power input has to be rated 12-36VDC (DO NOT INSERT MAINS 240VAC).

When wiring the decoders, it is important to make sure the total wattage of the LED strips does not exceed the maximum rated wattage of the decoder. The product is rated at 8A, so the maximum wattage per channel is $24 \times 8A = 192w$.

The power supply has to match the rated voltage and be superior to the total LED strip wattage by a recommended 10%.

Safety

- Products must be installed and serviced by qualified electrician.
- Please ensure the receiver is mounted in a water proof enclosure if installed in an outdoor environment, avoiding metallic enclosures.
- Always ensure products are mounted in areas with adequate ventilation to avoid overheating.
- Please ensure outputs of any power suppliers used in conjunction with this product comply with its working voltage.
- Never install product whilst connected to power and double check connections before switching on to avoid short circuits.

Warranty

Should this product fail during the 3 year warranty period it will be replaced free of charge, subject to the correct installation of the original product in accordance with applicable and appropriate electrical codes and instructions provided by Teucer, as well as subsequent return of the faulty unit. Teucer does not accept responsibility for any installation costs associated with the replacement of this product and Teucer reserves the right to alter specifications without prior notice. Teucer can offer 5 year warranty upon request. For further information, please see our Terms and Conditions. www.teucerled.co.uk/terms-and-conditions/

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