

Analogue Receiver 4 Channel 0-10V to PWM User Manual



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Safety Notes

- Install in a dry sheltered position
- Ensure adequate ventilation
- Install in accordance with all appropriate wiring standards
- Never connect a LED fitting to a driver that is powered. Doing so may result in damage to the LED.
- Always make sure the output voltage range and output current of the LED driver match the requirements of the LED fitting. Failure to do so may result in damage both the driver and fitting.

Introduction

The LAC-PWM-4 provides an interface between control systems using 0-10V dimming signals and LED strips and fittings. It can be used to directly drive up to 15A of LED over 4 channels without flicker or stepping.

Specifications

Physical

		Units
Dimensions	121 x 54 x 39	mm
Weight	90	g

Inputs

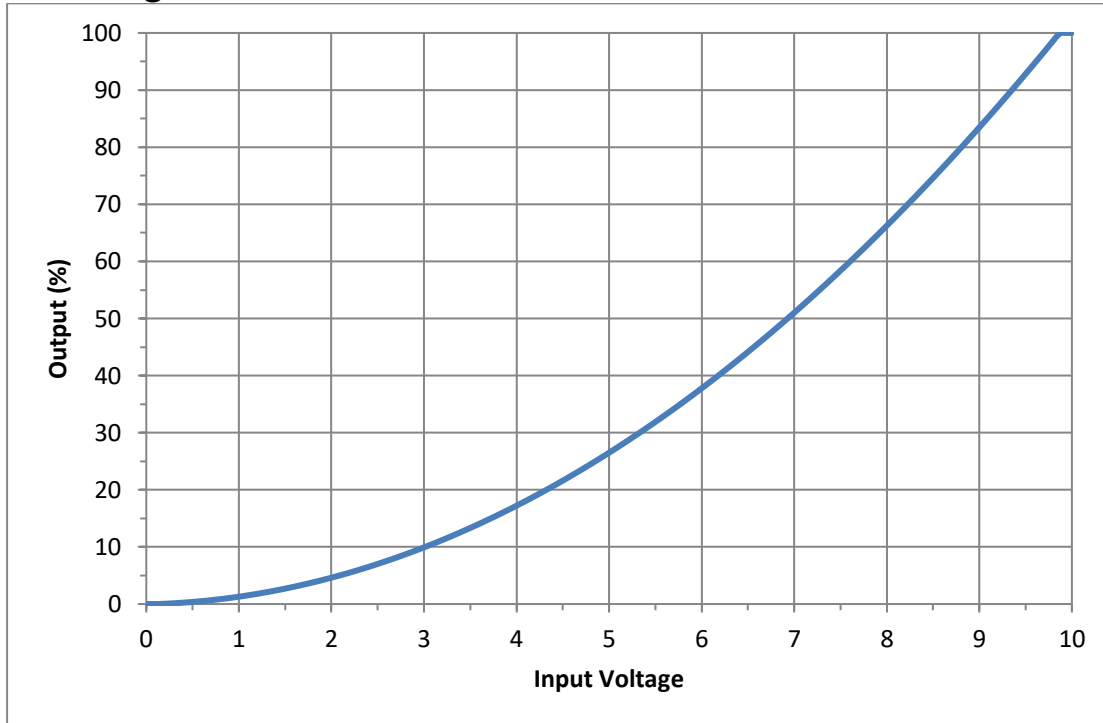
		Units
Voltage	12-24	VDC
Dimming Control	0 – 10V	
Dimming Range	0 – 100	%
10V Current Draw	0.33	mA
Absolute Maximum Input on 0-10V line	15	V

Note 0-10V inputs are not electrically isolated.

Outputs

		Units
Outputs	4 Channels Low Side PWM	
Current Per Channel	5	A
Max Total Output Current	15	A

Dimming Curve



Installation

Power

Connect the input voltage (between 12 & 24V) to the Power +/- pins. This is also the power the LED fitting(s) as such it should be selected to match the power requirements of the fitting

0-10V Input

The 4 x 0 - 10V inputs are wired with a single common negative. Note that without an input on the 0-10V line, the corresponding output will be off.

LED Fitting

Wire the LED fitting(s) to the PWM output of the LAC-PWM-4. Outputs 1, 2, 3 & 4 are controlled by the 0 - 10V inputs 1, 2, 3 & 4 respectively.

Appendix A. Wiring Diagram

