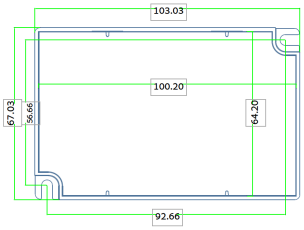
Item name	PWM5
Ordering code	PWM-5-RGBWA
Item code	LEDbyDESIGN PWM-5
Date	27-01-2021

PWM5 - 5 Channels PWM DC Controller



Description

PWM-5 is a Bluetooth controllable, Casambi enabled 5 channel PWM dimmer for constant voltage LED loads, such as LED strips and constant voltage LED modules. It is connected between a 12-24 VDC power supply and the constant voltage LED load.
The maximum combined output current is 7.5A which can be divided between 1 -5 channels, 100w MAX per channel. PWM-5 is protected against overload.
Flicker Free.

Control

CBU-PWM5 can be controlled with Casambi app which can be downloaded free of charge from Apple App Store and Google Play Store.

Properties

Input Voltage:	12-24VDC
Max. input current:	7.5A MAX
Max Tc	75°c
Output voltage:	Same as Input
Max. output power:	180w @ 24VDC(100w/cahnnel Max)
	90w @ 12VDC
Device Control:	PWM by Casambi App
Case Size:	103x67x32mm
Weight:	80gr
Protection:	IP20
Operating Temp:	-20° to 50°c
Installation:	Remote
Cnotrol Options:	Avaiable Profiles
1-5 Channels:	1-5 independent Chennel
2 Channels:	CCT Tuneable White
3 Channels:	RGB
4 Channels :	RGBW
4 Channels:	RGB+White
5 Channels:	RGBTW/RGBWA
5 Channels:	RGB+TW

NOTES: for more information and user manual please contact: sales@ledbydesign.asia

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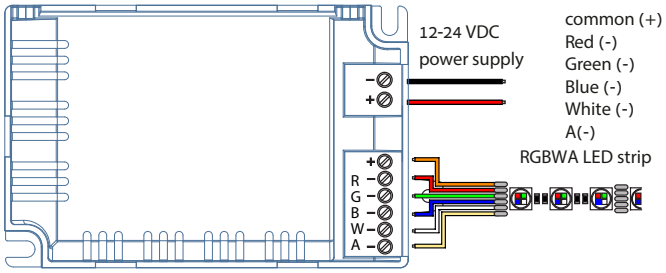
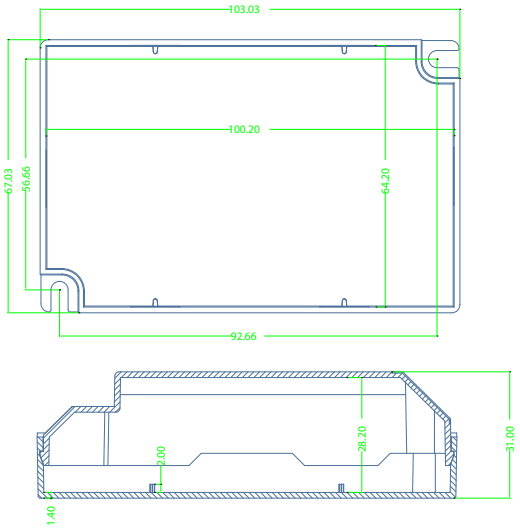
PWM5

Bluetooth controllable 5ch PWM dimmer

Wiring diagram, RGBWA





Description

PWM5 is a Bluetooth controllable, Casambi enabled five channel PWM dimmer for constant voltage LED loads, such as LED strips and constant voltage LED modules. It is connected between a 12-24 VDC power supply and the constant voltage LED load.

PWM5 can control up to five channels making it an ideal partner for RGBWA and tunable white (TW) applications. The maximum combined output current is 7.5 A which can be divided between 1 - 5 channels, 100w/channel MAX.

PWM5 can be controlled with Casambi app which can be downloaded free of charge from Apple App Store and Google Play Store.

Installation

Connect a constant voltage 12-24 VDC power supply to the input connector. Make sure not to use a constant current LED driver and make sure that the cable polarity is correct.

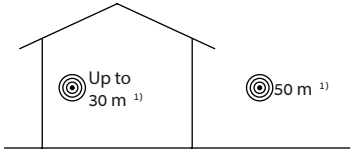
The product has one shared positive output connector (+) and each of the four channels have its own negative connector (-). This is the most typical case with multichannel LED strips. Connect the LED load wires accordingly.

PWM5 can be configured having different types of outputs, such as 5 channel RGBWA, 3 channel RGB and 2 channel TW. Also, it is possible to configure 1-5 jointly and individually dimmable channels. These configurations can be made by the end user from Casambi App.

As default, PWM5 is delivered with RGBWA configuration.

PWM5 should not be placed in a metal enclosure or next to large metal structures. Metal will effectively block all radio signals which are crucial to the operation of the product.

Range



Casambi uses mesh network technology so each PWM5 acts also as a repeater. Longer ranges can be achieved by using multiple Casambi units.

Down oad on the App Store

DRO D PP O Google p ay

Compatible devices:
iPhone 4S or later
iPad 3 or later
iPod Touch 5th gen or later
Android 4.4 KitKat or later devices produced after 2013 with full BT 4.0 support

[1] Range is highly dependant on the surrounding and obstacles, such as walls and building materials.

Technical data

Input	
Voltage range:	12-24 VDC
Max. input current:	7.5 A
Output	
Output voltage:	same as input voltage
Max. output power:	180W @ 24 VDC 90 W @ 12 VDC
Max. output current:	7.5 A Max
Dimming method:	100w per each channel Max Dim: PWM
Radio transceiver	
Operating frequencies:	2,4...2,483 Ghz
Maximum output power:	+4 dBm
Operating conditions	
Ambient temperature, taMax.	-20...+50°C
case temperature, tc:	+75°C
Connectors	
Wire range, solid & stranded:	0,75 - 1,5 mm²
	14 - 22 AWG
Wire strip length:	6 - 7 mm
Maximum input cable length:	3 m
Mechanical data Dimensions:	103 x 67 x 32 mm
Weight:	80 g
Degree of protection:	IP20 (indoor use only)

Disposal Instructions

In line with EU Directive 2002/96/EC for waste electrical and electronic equipment (WEEE), this electrical product must not be disposed of as unsorted municipal waste.

Please dispose of this product by returning it to the point of sale or to your local municipal collection point for recycling.