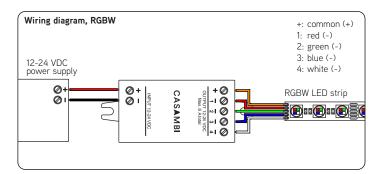
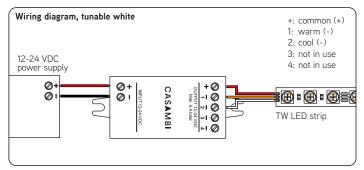
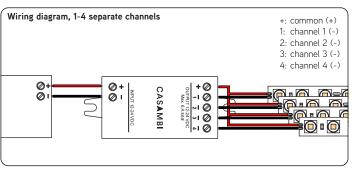


CBU-PWM4 Bluetooth controllable 4ch PWM dimmer **C E**









Description

CBU-PWM4 is a Bluetooth controllable. Casambi enabled four 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.

CBU-PWM4 can control up to four channels making it an ideal partner for RGBW and tunable white (TW) applications. The maximum combined output current is 6 A which can be freely divided between 1 -4 channels. CBU-PWM4 is protected against overvoltage, overcurrent

CBU-PWM4 can be controlled with Casambi app which can be downloaded free of charge from Apple App Store and Google Play Store.

Different Casambi enabled products can be used from a simple one luminaire direct control to a complete and full featured light control system where up to 127 units form automatically an intelligent mesh network.

Installation

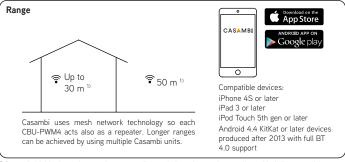
Connect a constant voltage 12-24 VDC power supply to the input connector. Make sure not to use a constant current LED driver and make sure that the cable polarity is correct.

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.

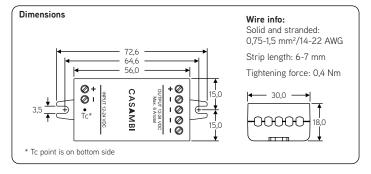
CBU-PWM4 can be configured having different types of outputs, such as 4 channel RGBW, 3 channel RGB and 2 channel TW. Also, it is possible to configure 1-4 jointly and individually dimmable channels. These configurations can be made by the end user from Casambi App.

As default, CBU-PWM4 is delivered with RGBW configuration.

CBU-PWM4, as any other Casambi product, 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.



Pange 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: 6 A No-load standby power: < 0.3 W

Output

Output voltage: same as input voltage 144 W @ 24 VDC Max. output power: 72 W @ 12 VDC

Max. output current: 6 A (can be freely divided

between the channels)

Dimming method: Pulse Width Modulation (PWM)

Radio transceiver

Min. load requirement:

2.4...2.483 Ghz Operating frequencies: +4 dBm Maximum output power:

Operating conditions

-20...+45°C Ambient temperature, ta: +75°C Max. case temperature, tc: Storage temperature: -25...+75°C Max. relative humidity: 0...80%, non-cond.

Connectors

0,75 - 1,5 mm² Wire range, solid & stranded: 14 - 22 AWG 6 - 7 mm Wire strip length: Tightening force: 0.4 Nm

Mechanical data

Dimensions: 72.6 x 30.0 x 18.0 mm Weight: 23 g

IP20 (indoor use only) Degree of protection:

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.

CASAMBI

Lighting control for the Modern World

Casambi Technologies Oy Linnoitustie 4, 02600 Espoo, Finland

Information in this document is subject to change CBU-PWM4 User Guide v1.1 ENG

Copyright Casambi Technologies Oy 2017.