

0-10V interface with 5A relays

Powerful 0-10V bus to drive multiple fixtures



Warning!

Only qualified professionals should make the connections



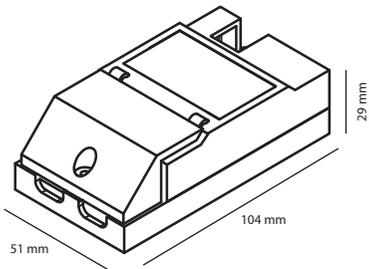
Description

This powerful casambi ready 0-10V dimming interface is capable of controlling multiple light fixtures at the same time. Depending on the type of driver a quantity of drivers can be connected in parallel on the 0-10V dimming bus.

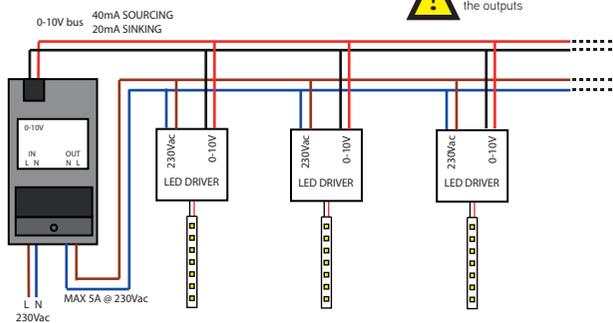
The 0-10V bus is capable of sinking and sourcing towards the used driver. Sinking can be done up to 20mA and sourcing up to 40mA. With sourcing drivers our module powers the 0-10V bus and with sinking types the driver gives the power to the 0-10V bus. Please check the drivers datasheet to determine the type and to calculate how many drivers you can control on the same 0-10V bus.

Inside this module there is also a relay that can handle 5A on a voltage of 240Vac. This means that there is no power left at the luminaires driver when not in use. This relay can also be used as a on/off module on the casambi without using the 0-10V dimming bus.

Dimensions



Connection diagram



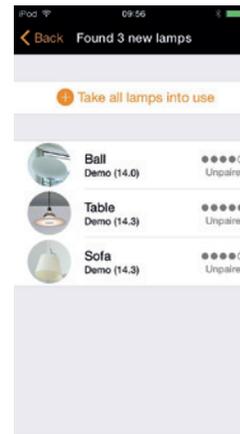
Warning!
Risk of fire. Do not short circuit the outputs

Note 1. This device is a built-in class II device. Use double insulated wires or an external mounting box if the device is not mounted inside another insulated device.

First time use

Casambi app is easy to use. Follow these simple steps.

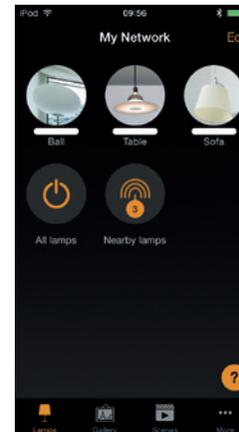
1. Download the app from Apple App Store or Google Play Store.
2. Turn on your Casambi enabled luminaires.
3. Open the app.
4. Casambi app will automatically find all Casambi enabled luminaires that are switched on.
5. Tap on the "Take all lamps into use"
6. Casambi app will automatically add all luminaires to one network and open the 'Lamps' tab



Basic gestures

Here are the basic gestures how to control your lights.

- To turn off or on your luminaire just tap on the lamp control.
- Pan lamp control left or right to adjust light level of the luminaire.
- Pan lamp control up or down to adjust the colour temperature of the luminaire.
- Hold on top of the lamp control to change the colour and save colours to palette.



Networks and Sharing

If you want to control your luminaires from more than one mobile device you need to change the network sharing settings. As a default the created network is not shared and only stored in the device that created it.

1. Go to 'More' tab and select 'Network setup' and 'Sharing settings'.
2. Tap on the Sharing and the 'Sharing mode' screen will open.
3. There are four different sharing modes: Not Shared, Administrator only, Password protected and Open. When you select Administrator only, Password protected or Open mode the network will be uploaded to cloud server and then it can be accessed also from other mobile devices.
4. Add also email address and password for the network.
5. Confirm your settings with 'Save'



Casambi App

The must have app for configuring casambi ready products



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

Range



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

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

Technical data

Power	
Voltage input	100 - 240Vac 50/60Hz
Standby power	0,8W
Relais contact	
Max. current:	5A
Contact voltage	240Vac
0-10V bus	
Sourcing	40mA
Sinking	20mA
Radio transceiver	
Operating frequencies:	2,4...2,483 Ghz
Maximum output power:	+4 dBm
Operating conditions	
Ambient temperature, ta:	-20...+45°C
Storage temperature:	-20...+75 °C
Max. relative humidity:	0...80%, non-cond.
Wires	
Wire type	0.05-3.3mm2 (30-12 AWG)
Mechanical data	
Dimensions:	104 x 51 x 29 mm
Weight:	0,100 Kg
Degree of protection:	IP20 (indoor use only)
Partnumbers	
Bluetooth control unit with internal relay 5A / 240V / 0-10V	164 19 24 09 81