

Casambi DIM module 0/1-10V

13470100

CBU-ASD

Bluetooth control unit for LED drivers

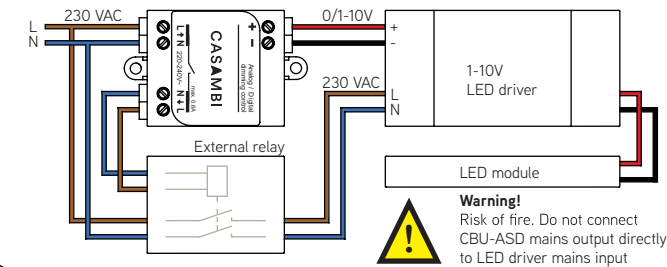


Warning!

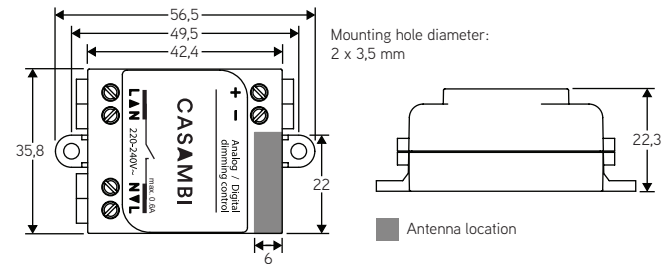
Hazardous voltages. Risk of electric shock or fire. Only qualified professionals should make the connections. Disconnect the mains power supply and verify its absence prior to installation.



Wiring diagram, 0/1-10V drivers powered through external relay



Dimensions



Note 1. CBU-ASD 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.

Note 2. Connect only one LED driver (0/1-10V driver) to one DIM Module

Description

CBU-ASD (13470100) is a wireless control unit for LED and halogen drivers with 0/1-10V dimming interface.

CBU-ASD is controlled wirelessly with Casambi smartphone and tablet applications using Bluetooth 4.0 protocol. The Casambi app can be downloaded free of charge from Apple App Store and Google Play Store.

Devices form automatically a secure wireless mesh network so that a large number of fixtures can be controlled from any point. No external gateway module is needed. CBU-ASD can be controlled also from a standard on/off wall switches.

Installation

Make sure that the mains voltage is switched off when making any connections. Use 0,75-1,5 mm² solid or stranded conductor electrical wires. Strip the wire 6-7 mm from the end.

Insert the wires to the corresponding holes and tighten the connector screw. Make sure to connect the input and outputs correctly. Mains input connector is marked with letters L and N with an arrow pointing inwards, while the mains output connector is marked with letters L and N with an arrow pointing outwards. The low voltage output is marked with + and - symbols.

If you install CBU-ASD into a heat sensitive environment (i.e. inside a luminaire or in a ceiling outlet box above a luminaire), make sure that the ambient temperature does not exceed the specified maximum value.

Range



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

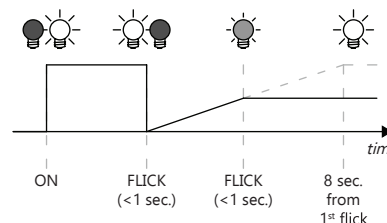


Compatible devices:
iPhone 4S or later
iPad 3 or later
iPod Touch 5th gen or later
Android 4.4 KitKat or later devices produced after 2013 with full BT 4.0 support

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

Dimming without app

1. Turn lights on from a wall switch.
2. Quickly flick the wall switch off (max. 1 sec.) and back on. The light level starts to increase gradually.
3. Flick the switch again at desired dim level. The selected level is saved automatically.
4. If the second flick is not done within 8 sec. the light intensity reaches its maximum level.
5. Flicking the switch can also be used to switch between predefined scenes.



Technical data

Input

Voltage range: 220-240 VAC
Frequency: 50 Hz
Max. mains current - max. RMS power: 0,6 A - 100W max.

Mains Output

Output relay: SSR on phase line
Voltage range: 220-240 VAC
Inrush current: 12 A (8 ms)

0-10V Output

Voltage range/Max. source current: 0-10 VDC / 6mA
Maximum number of drivers connected: 1 pc

Radio transceiver

Operating frequencies: 2,4...2,483 Ghz
Maximum output power: +4 dBm

Operating conditions

Ambient temperature, ta: -20...+50°C (Iout 0 A)
-20...+40°C (Iout 0,6 A)
+70 °C
Max. case temperature, tc: +70 °C
Storage temperature: -25...+75 °C
Max. relative humidity: 0...80%, non-cond.

Connectors

Wire range, solid & stranded: 0,75-1,5 mm²
14-22 AWG
Wire strip length: 6-7 mm
Tightening torque: 0,4 Nm/4 Kgf.cm/2,6 Lb-In

Mechanical data

Dimensions: 56,5 x 35,8 x 22,3 mm
Weight: 48 g
Degree of protection: IP20 (indoor use only)
Protection class: Built-in Class II

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.



For more information, support and troubleshooting about the Casambi technology please visit:
<https://support.casambi.com/support/solutions>

Advised to use this device in an Evolution network