



Casambi CBU-DCS

Bluetooth controllable 2-channel DALI controller



Features & Benefits:

- 9.5 to 22.5 vdc input voltage (from DALI powers supply)
- Wireless control of up to two DALI devices or drivers
- Wireless control of tunable white LED driver when used with Type 8 DALI drivers
- Connects with DALI LED drivers and DALI sensors for occupancy sensing and daylight harvesting
- Programmed by free Casambi App (Available at Apple Store & Google Play)
- Up to 250 Casambi enabled products per wireless mesh network
- Compatible with iPhone4s, iPad3, iPod Touch 5th Gen, Android 4.4 or any later device with BT 4.0 support



Product Description

CBU-DCS is a Bluetooth controllable, Casambi enabled LED driver controller. It is designed to be used with ANSI C137.4 compatible products, such as Philips Advance Xitanium SR LED drivers and OSRAM LED drivers with DEXAL™ technology. CBU-DCS does not have its own power supply. Instead, it is powered directly from the LED driver's control interface. ANSI C137.4 compliant drivers combine DALI communication with an integrated DALI power supply.

CBU-DCS together with other Casambi enabled products can be used from a simple one lumi-naire direct control to a complete and full featured light control system where up to 127 units form automatically an intelligent mesh network. Casambi supports nearly unlimited number of mesh networks in an installation site.

Casambi system can be controlled with Casambi app which can be downloaded free of charge from Apple App Store and Google Play Store. Other controlling methods are, for example, timers, Casambi enable sensors, such as PIR/occupancy and lux sensors, as well as Casambi Xpress and EnOcean switches.

**WARNING:**

Cancer and Reproductive Harm
www.P65Warnings.ca.gov



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Specifications:

DC Input:

Voltage range:	9.5-22.5 vdc (Class 2)
Current:	250 mA max.
No-load standby power:	Less than 0.1 Watt

Radio Transmittance:

Operating frequencies	2.400 to 2.483 Ghz
Transmission Distance	200' Exterior Open Air; 100' Typical Interior
Maximum output power	-4 dBm
FCC ID	2ALA3-CBUA2D

Operating conditions:

Ambient temperature (ta)	-4°F to +113°F (-20°C to +45°C)
Max. case temperature (tc)	+158°F (+70 °C)
Storage temperature	-13°F to +158°F (-25°C to +70°C)
Humidity	0-80% non-condensing

Connectors:

Wire gauge, solid & stranded	16-20 AWG (0.5-1.5 mm ²)
Wire strip length	6-7 mm (.25")
Tightening torque:	2.6 Lb-In (0.4 Nm/Kg)

Safety Compliance:

Ingress Protection	IP20 (indoor use only)
Protection Class	Class II
IC Listing	22496-CBUDCS
UL Listing	E494741

Mechanical:

Dimensions	1.59" x 1.43" x 0.55" (40.4mm x 36.3mm x 14mm)
Weight	.5oz (15 g)



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Specifications (Continued):

FCC Compliance Statement:

This device complies with part 15 of the FCC Rules. Operation is subject to the following conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Radiation Exposure Statement:

This device complies with FCC radiation exposure limits for an uncontrolled environment. This device shall be installed and operated with a minimum distance of 8" (20cm) between users or bystanders and the device.

FCC Interference Statement:

This equipment complies as a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy. If not used in accordance with manufacturer's installation guidelines, this device may cause harmful interference with other radio communications. Casambi provides no guarantee that interference will not occur in any particular installation.

Radiation Exposure Statement for Canada:

This device complies with Industry Canada's license-exempt RSSs. Operation is subject to the following conditions:

- (1) This device may not cause interference
- (2) This device must accept any interference, including interference that may cause undesired operation of this device.

This equipment is exempt from the routine RF exposure evaluation requirements of RSS-102. This equipment should be installed and operated with a minimum distance of 20 cm between the antenna and the user or bystanders.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage;
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Ce matériel n'est pas sujet à l'évaluation habituelle d'exposition RF selon RSS102. Ce matériel devrait être installé et exploité en gardant une distance minimale de 20 cm entre l'antenne et l'utilisateur ou les spectateurs.

General Warning:

Changes or modifications not expressly approved by Casambi Technologies Oy will void all warranties and liability claims. This document subject to change without notice.

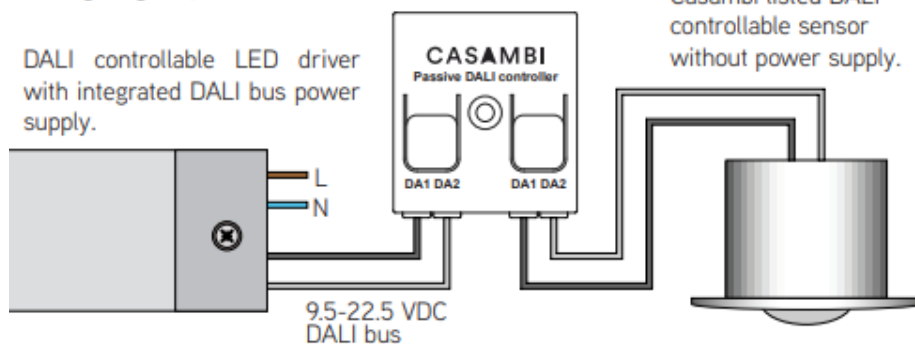


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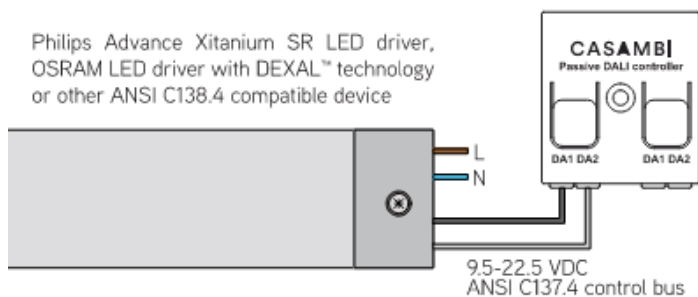
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Wiring Diagrams:

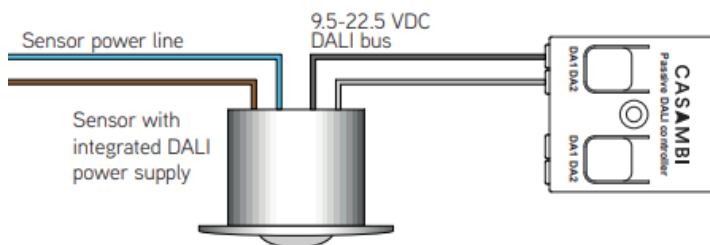
Wiring diagram, DALI LED driver and DALI sensor



Philips Advance Xitanium SR LED driver, OSRAM LED driver with DEXAL™ technology or other ANSI C138.4 compatible device



Warning!
Using regular DC power supply will cause permanent damage to the product!



Ordering Information:

Qty:	Part Number:	Description:
	CBU-DCS	Bluetooth mesh controllable 2-channel DALI controller



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Typical Casambi System Diagram:

