Casambi CBU-A2D

Diffusion LED Controller



Safety Instruction and Warning

WARNING:

READ CAREFULLY BEFORE INSTALLING.

Installation should only be performed by a qualified electrician in accordance with NEC and all applicable local building codes.

Risk of fire or electric shock. Fixture installation requires knowledge of luminaire electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.

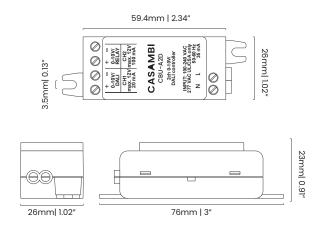
Ensure that electrical power is turned OFF before and during installation or maintenance.

Fixtures must be connected to a wiring system that includes an equipment-grounding conductor.

Ensure that the supply voltage matches the rated voltage of the luminaire fixture.

Wear gloves and safety glasses at all times when removing the luminaire from the carton, installing, servicing, or performing maintenance.

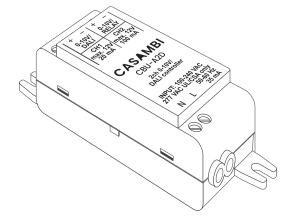
Diagram



Description

CBU-A2D is a Bluetooth-enabled 2-channel 0-10V/DALI controller with a universal 100-277 VAC input voltage range. It can control 1-2 0-10V LED drivers or a tunable white LED driver with two 0-10V control interfaces.

Shop Drawing



CBU-A2D should not be placed in a metal enclosure or next to large metal structures. Metal will effectively block radio signals which are crucial to the operation of the product. A thorough connectivity testing is strongly recommened in the installation site.







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Casambi CBU-A2D

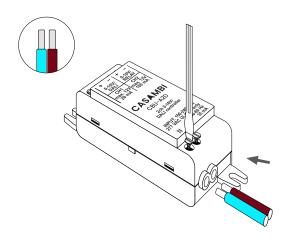
Diffusion LED Controller



Installation

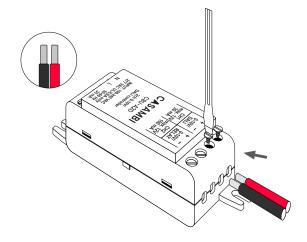
Step 1

Make sure that the main voltage is switched off when making any connections. Use 0.5-1.5 mm² solid or stranded conductor electrical wires. Strip the wire 6-7 mm from the end. Insert the wires into the corresponding holes and tighten the connector screws.



Step 2

If the connected LED driver cannot be turned off completely from the control interface, an external relay with 12 VDC coil can be connected to channel 2. Make sure the relay is protected against flyback volatge, (e.g. do not use a PCB relay without the flyback diode). A suitable fixture configuration must be selected in order to control a relay.









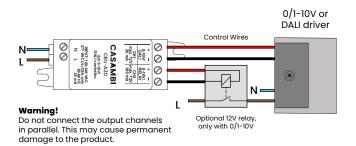
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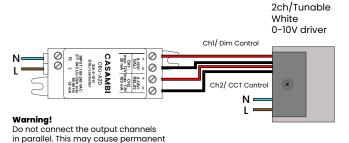


Wiring Diagram

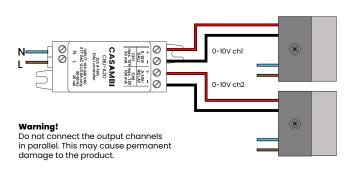
One Driver and Relay



Two Channel LED Driver

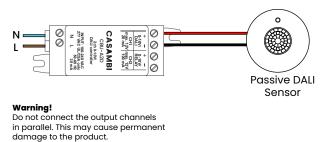


Two Drivers (only 0-10V)

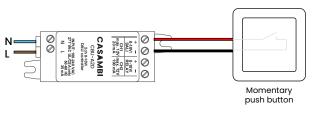


DALI Sensor

damage to the product.



Push Button



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Do not connect the output channels in parallel. This may cause permanent damage to the product.

Compatible Devices



iPhone 4S or later iPad 3 or later iPod Touch 5th gen or later



Android 4.4 or later devices produced after 2013 with full BT 4.0 support







