

Description

IC-A528-B-DA/0-10V-CW-CS is a circular smart controller for wireless control of lighting fixtures, which can adapt to LED drivers with D4i, DALI, 0-10V protocols by change the profile and wiring method.

Product features

- Supports switching between D4i/DALI, 0-10V by changing profile
- Supports single or dual-channel 0-10V dimming
- Supports 0-10V tunable white
- Wireless transmission range up to 100 meters (open air)
- Maximum 10 mA static current
- Conforms to Zhaga Book 20 standards



Technical specifications

Electrical parameter	D4i/DALI	0-10V
Operating voltage	9.5...22.5 Vdc	12...24 Vdc
Maximum current (static)	10 mA	10 mA
Max 0-10V sinking current	/	10 mA
Power supply type	DALI BUS PS or D4i	Driver "Aux." output or separated supply
RF transmit power	+4 dBm @ Normal Mode, +8 dBm @ Long Range Mode	
Wireless protocol	Casambi, 2.4 GHz BLE-based Mesh	
Wireless range (open air)	Up to 100 m	

Indication

Green LED	Luminaire on/off indication
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Control

Control output	DALI, 0-10V
Type of installation	Luminaire integration (compliant with Zhaga Book 20) or other compatible installation methods
Control interface	BLE
Reset / Unpair	Casambi APP

Environmental specifications

Operating temperature	-20...+60°C
Storage temperature	-20...+70°C
Working humidity	10%...90%
Store humidity	5%...95%

Certificates & standards

Certification	FCC, CE, UKCA
Type of protection	IP65 (front), IP20 (rear)

Dimensions

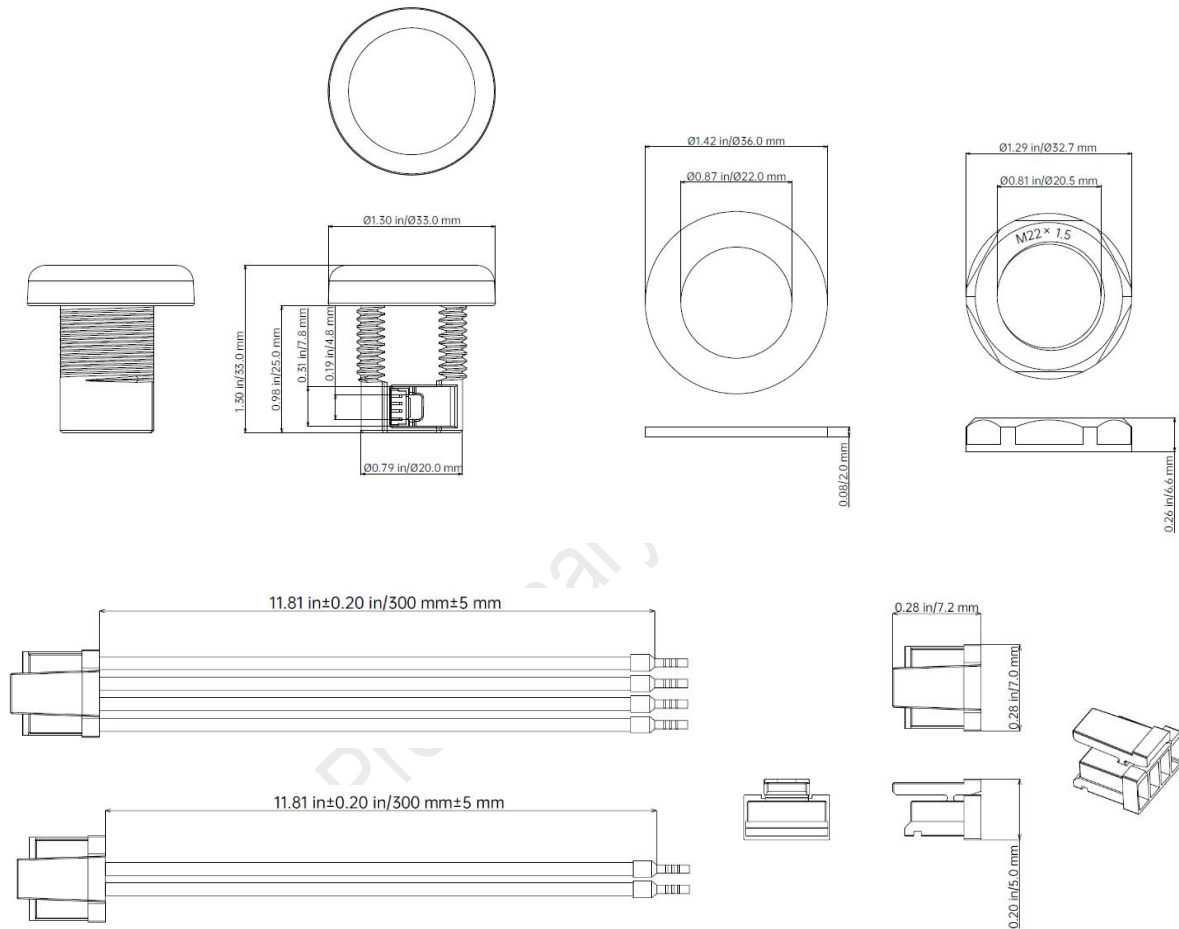
Housing dimensions

Diameter	1.30 in (33.0 mm)
Height (H)	1.30 in (33.0 mm)

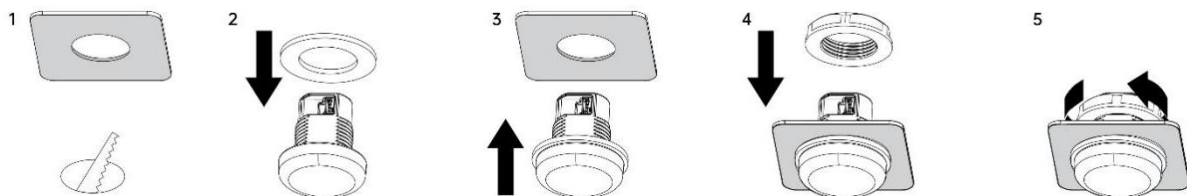
For all dimensions: values in mm;
tolerances: ± 0.2 mm

Packaging details

Packing units	50 pcs
Carton size	8.74 in $\times$ 8.74 in $\times$ 6.41 in (222 mm $\times$ 222 mm $\times$ 163 mm)
Carton weight	2.0 kg
Product weight (cable not included)	21 g

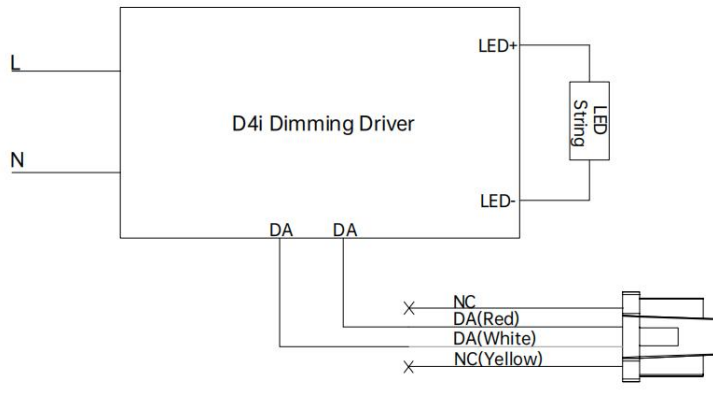


Installation

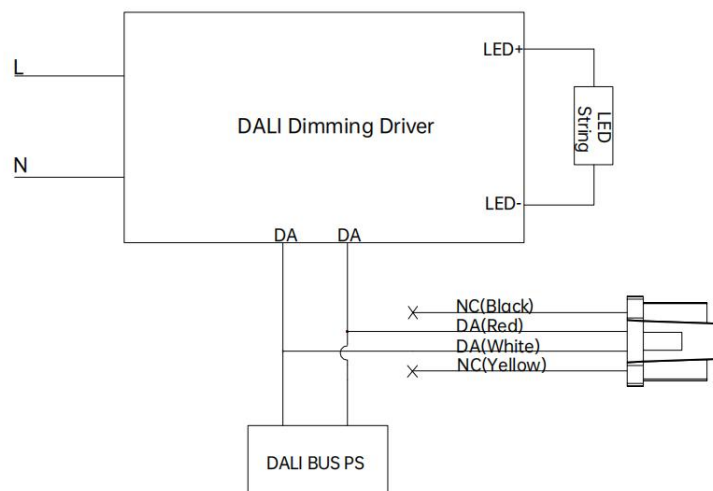


Applicable Wiring Diagram

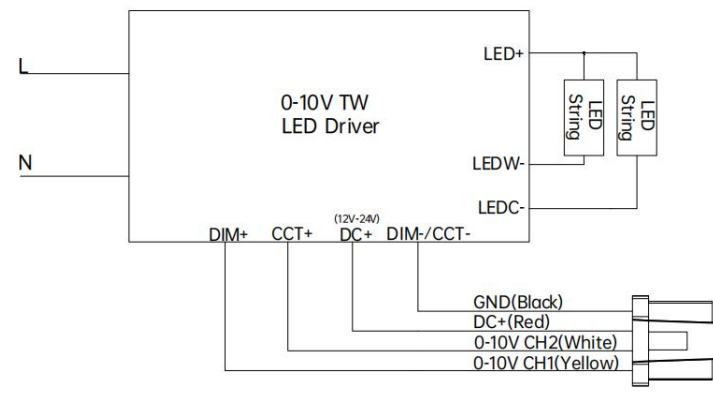
Wiring method in DALI mode with self-powered



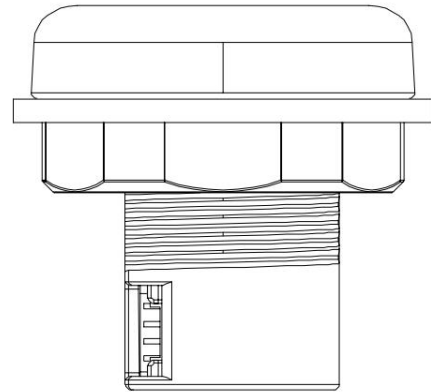
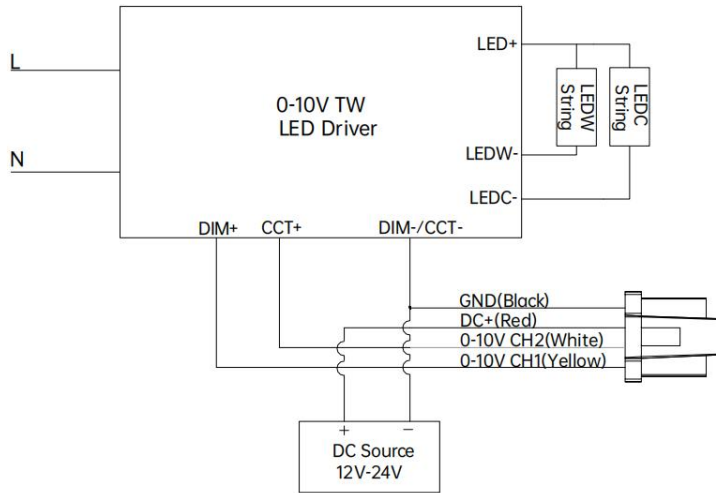
Wiring method in DALI mode without self-powered



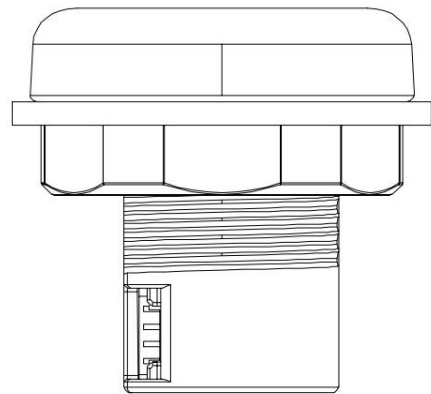
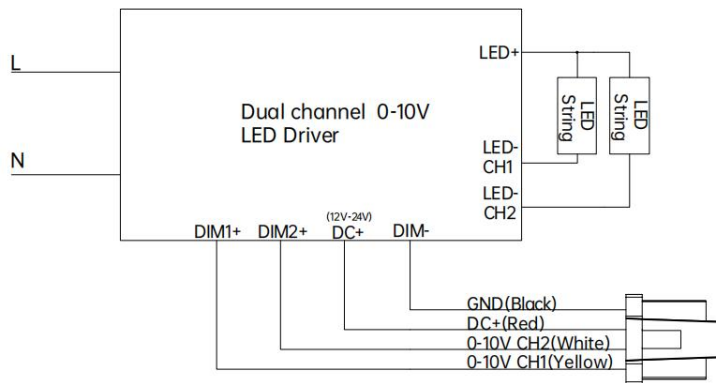
Wiring method in 0-10V TW mode with self-powered



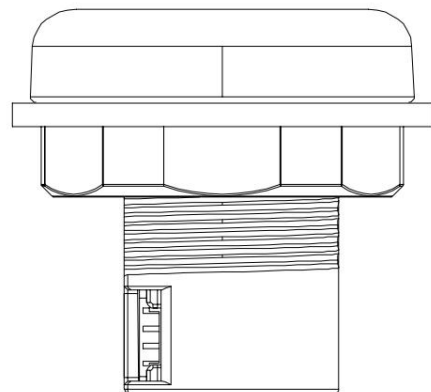
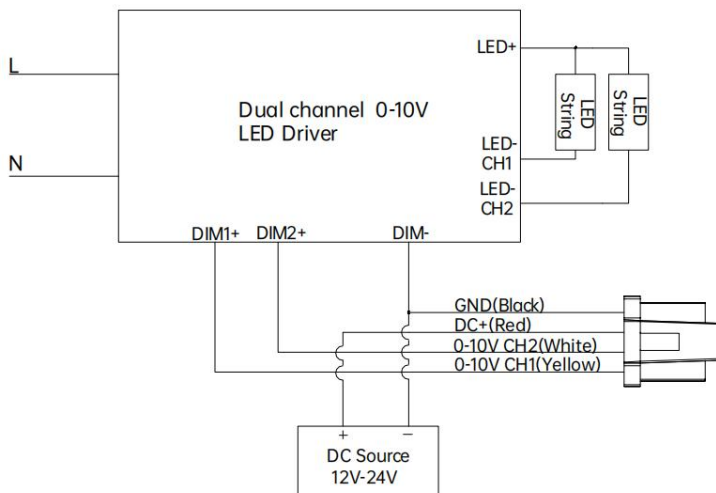
Wiring method in 0-10V TW mode without self-powered



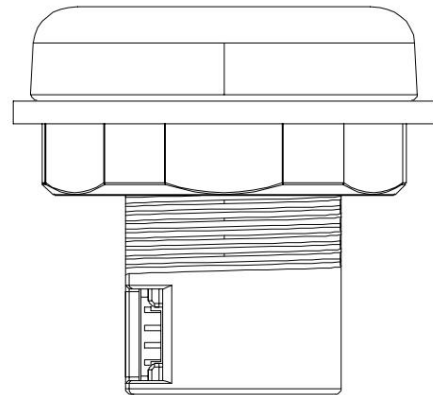
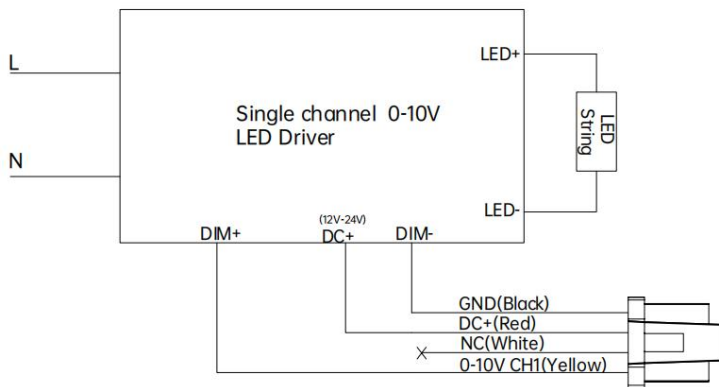
Wiring method in 0-10V dual channel mode with self-powered



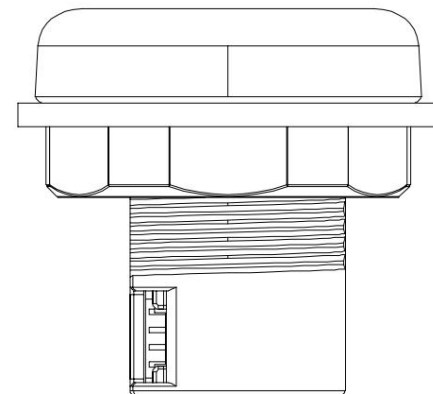
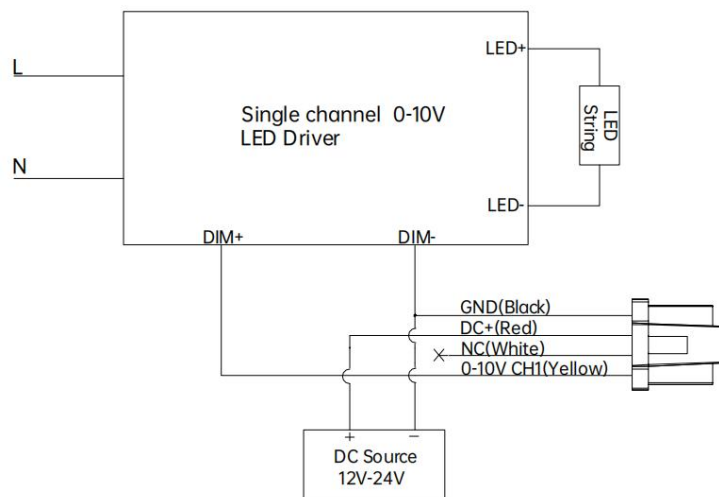
Wiring method in 0-10V dual channel mode without self-powered



Wiring method in 0-10V single channel mode with self-powered

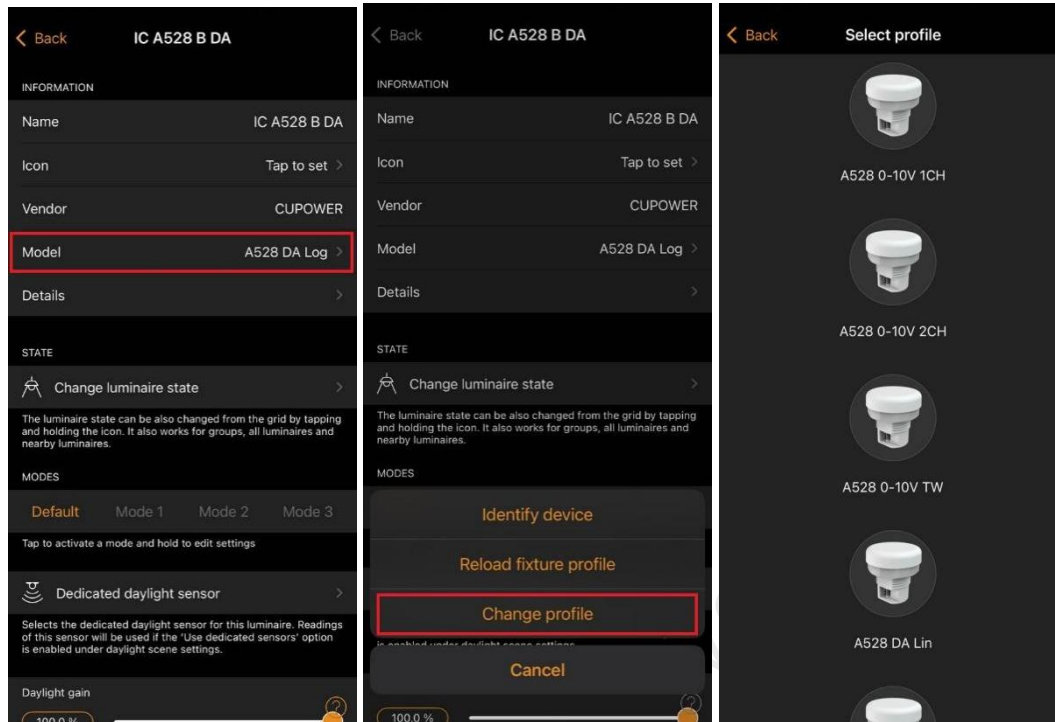


Wiring method in 0-10V single channel mode without self-powered



How to switch the profile in the Casambi App

1. Enter the device interface and click Model.
2. Click on Change profile to navigate to the physical model switch interface.



Equipment Configuration Parameter Table

Initial model

48461	A528 DA Lin	DALI broadcast mode Lin dimming
48750	A528 DA Log	DALI broadcast mode Log dimming
48459	A528 DA TW Lin	DALI broadcast mode TW Lin dimming
48460	A528 DA TW Log	DALI broadcast mode TW Log dimming
48321	IC A528 DALI 8CH Lin	8-channel independent dimming
45874	IC A528 B 0-10V TW	Tunable white 0-10V control
47981	IC A528 B 0-10V 2CH	Dual channel 0-10V control
47868	IC A528 B 0-10V 1CH	Single channel 0-10V control

How to use Casambi App

How to install Casambi App?
How to use Casambi App with a Phone?



Download the Casambi App on Google Play and Apple App Store.

Scan the QR code to download the Casambi App user guide.

Note:

- Models can be expanded and customized according to customer needs.
- The controller is equipped with a standard 300 mm serial port cable. The maximum permissible cable length is 500 mm. If the cable exceeds the maximum length, please contact Cupower.
- We have been equipped with waterproof rubber rings, additional protective measures can be taken. When integrating the controller into a luminaire, appropriate sealing measures may be applied at the interface between the controller and the luminaire housing to prevent the ingress of dust and moisture.