Casambi Ready
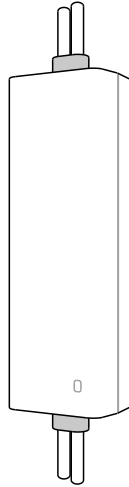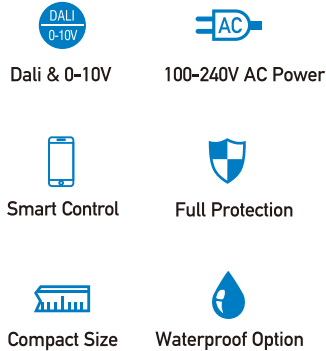# DALI / 0-10V adaptor

Model No: HCB30 (-S)
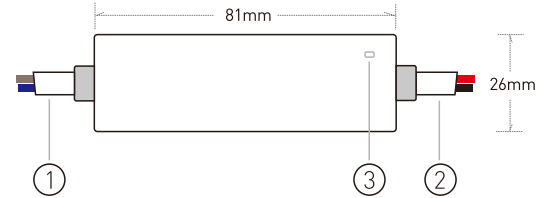
Single color / CCT / 0-10V
Built-in Dali power
AC power input
Full protection

DALI 0-10V	**AC**
Dali & 0-10V	100-240V AC Power
Smart Control	Full Protection
Compact Size	Waterproof Option

■ **Introduction**

The HCB30 DALI / 0-10V adaptor is designed to work with the Casambi app, it receives the Casambi app command and converts it to Dali bus or 0-10V format, then drives the standard Dali single color or CCT LED driver or 0-10V single color driver. The power input adapts international AC power range, and the controller has a built-in Dali power supply which can drive Dali device directly with no need of external Dali power supply. For waterproof, IP68 level is available on -S version and IP63 for standard version. The controller also has strong protection feature and a compact housing for easy and secure installation and ensure the reliability and durability of the application.

■ **Dimension & Terminal**

81mm

26mm

① ③ ②

1. Power supply input

Connect to AC power supply. The controller accepts international power voltage from AC 100V to 240V. Please make sure the power is in this range and make sure the AC power is shutdown before connecting the cables. Please make sure the power cable is well insulated before powering on. For waterproof application, extra waterproof treatment must be applied to the cable connections.

2. Dali / 0-10V output

Connect to Dali or 0-10V input of the LED driver.

This unit can work at Dali single color or CCT output mode, the output data is at broadcast format, all compatible drivers connected to the Dali bus would response. The built-in Dali power supply can drive up to 50mA.
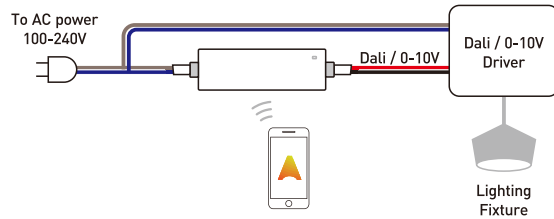
Rayrun

At 0-10V output mode, it works with single color driver only. It can source up to 50mA current, the sinking is through a 1.5Kohm resistor to ground.

Please be noted that this controller is not compatible to an existing Dali network and do not install it to an existing Dali network.

3. Work status indicator

This indicator is hidden in the housing and it will light up with green color when the controller is working properly.

4. Wiring diagram

To AC power 100-240V

Dali / 0-10V

Dali / 0-10V Driver

Lighting Fixture

5. Protection function

The controller has protection function against wrong wiring, it can protect from damage when the output is accidentaly connected to AC power. The controller will not be damaged but may generate excess heat in this case. Please cut down the AC power and check the cable wiring if this occurs.

6. Waterproof

The -S version controller has IP-68 waterproof feature with glue injection finish. For overall waterproof performance, the cables must be waterproof treated separately.

Wireless signal degrading : The wireless communication ability could degrade when using at wet environment, please be aware that the wireless control distance will be shortened in such case.

7. Change profile

The controller can be configured to Dali single color, Dali CCT or 0-10V single color mode by Casambi app. The profile can only be changed on unpaired controller, please tap on the unpaired controller icon on the start page of Casambi app and select the **'Change profile'** to switch to the desired profile.

■ Specification

Working voltage	AC 100-240V
Output Mode	Dali bus / 0-10V
Dali output voltage	DC 10-16V
Dali power output current	50mA
0-10V output	Source 50mA, sink by 1.5Kohm resistor
Wireless connection	CASAMBI protocol, @ 2.4GHz ISM band
Working temperature (Ta)	-20°C~+55°C
Dimension	81x26x20mm