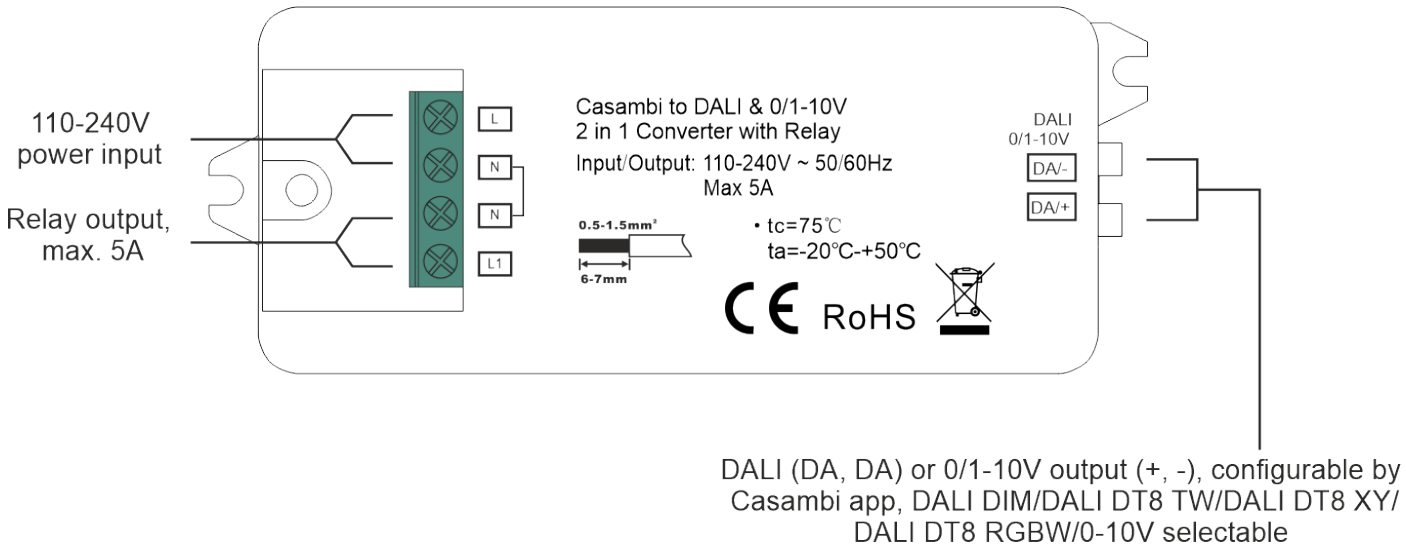


LC-CAS-DALI

Standalone Casambi to DALI & 0/1-10V Controller

- *Casambi to DALI & 0/1-10V controller, works with Casambi network*
- *• Casambi signal input, DALI output to DALI line or 0/1-10V signal output, 110-240VAC power input*
- *With relay output, max. 5A for traditional incandescent & HV halogen lamps, max 1.6A for LED load*
- *Can be controlled by both Casambi App and Casambi wall switches1 channel 12-48VDC output, max. 20A*
- *DALI signal or 1-10V signal output selectable by Casambi App*
- *DALI DT6, DALI DT8 TW, DALI DT8 XY, DALI DT8 RGBW, 0-10V control modes configurable by Casambi App*
- *Built-in DALI bus power supply, no extra DALI bus PS required*
- *With max. 50mA DALI bus power current output*
- *To supply control current to up to 25 DALI control gears*
- *Easy commissioning with Casambi App*

SPECIFICATIONS

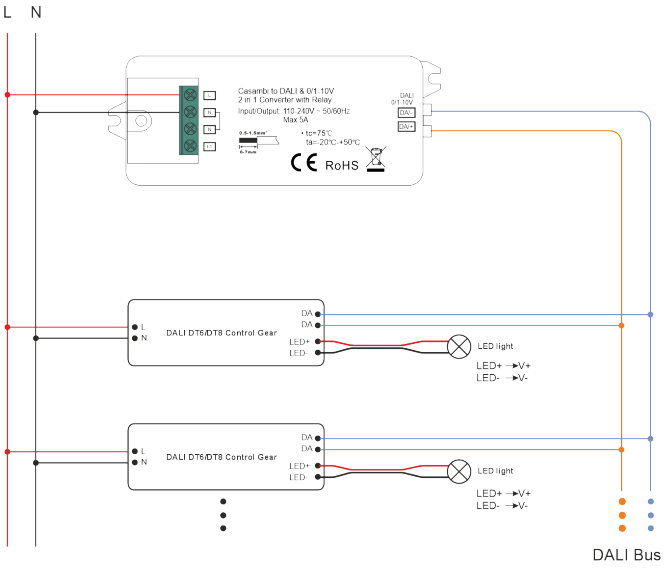
- Dimensions 91x37x20 mm
- 5 Year Warranty
- UL, CE and RoHS compliant
- 110-240 V AC
- 5 A relay output
- Operating temperature -25^0~+50^{0}C
- IP20

PRODUCT DATA

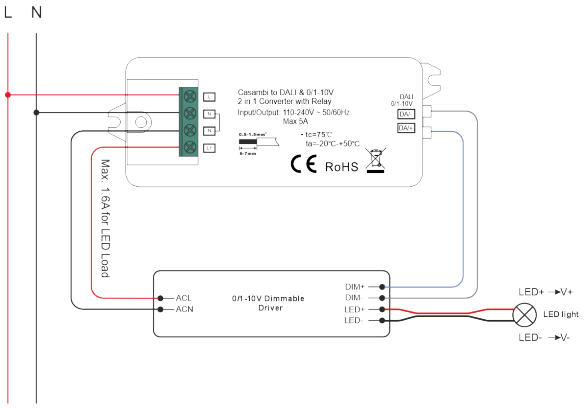
Input		Output, DALI		output 0/1-10V	Output, relay		Environment		Others
Power	Signal	Dali PS current	DALI current consumption	Current	Switching Voltage	Max. Current	operating Temperature	Relative Humidity	Dimensions
110-240 VAC	Casambi 2.4GHz	Max. 50mA	Max. 4mA	Max. 20mA	110-240VAC	Incandescent: 5A LED: 1.6A	-20°C - +50°C	8% to 80%	95x37x20mm

CONNECTIONS

When DALI Output Selected (Please make sure the correct profile is selected before wiring)



When 0/1-10V Output Selected (Please make sure the correct profile is selected before wiring)

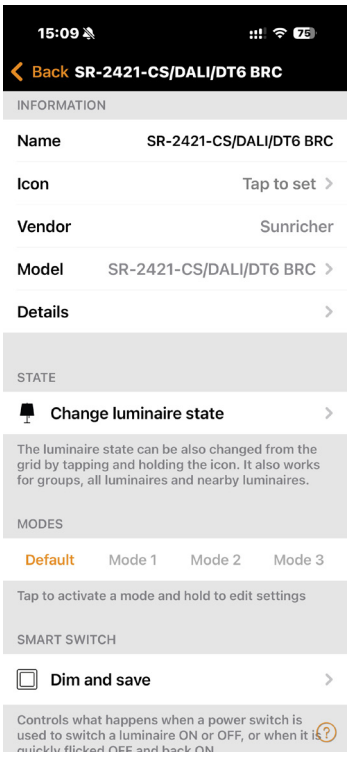


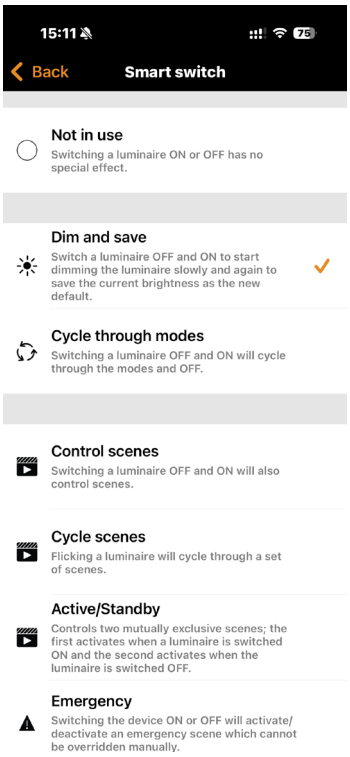
Note: Max. 50mA DALI bus PS output to supply control current to up to 25 control gears.

The control logic of the 9 profiles are as follows:

1. SR-2421-CS/1-10V: Controls 1-10V dimmable drivers or luminaires, up to 20 drivers or luminaires can be connected in parallel.
2. SR-2421-CS/DALI/DT6/4*DIM: Broadcast control of up to 25 DALI DT6 LED drivers or luminaires. Supports on/off, brightness control.
3. SR-2421-CS/DT8/DIM, TW/Single Address: Controls DALI DT8 tunable white LED drivers or luminaires with DALI address 0. Supports on/off, brightness, color temperature control.
4. SR-2421-CS/DALI/DT8, RGBW/Single Address: Controls DALI DT8 RGBW LED drivers or luminaires with DALI address 0. Supports on/off, brightness, RGBW color control.
5. SR-2421-CS/DALI/DT8, XY/Single Address: Controls DALI DT8 XY LED drivers or luminaires with DALI address 0. Supports on/off, brightness, RGB color control.
6. SR-2421-CS/DALI/DT8, RGBTW/Single Address: Controls DALI DT8 RGBTW LED drivers or luminaires with DALI address 0. Supports on/off, brightness, color temperature, RGB color control.
7. SR-2421-CS/DALI/8 Channels: Controls 8 addresses of DT6 control gears with DALI address 0-7. Supports on/off, brightness control.
8. SR-2421-CS/DALI/4 Groups: Controls 4 DALI groups of control gears with group addresses 0-3. Supports on/off, brightness control.
9. SR-2421-CS/DALI/2*(DIM, TW): Controls 2 addresses of DALI DT8 tunable white control gears with DALI address 0-10. Supports on/off, brightness, color temperature control.

Smart Switch: When a switch is connected to the device, you can set what it does in the app, such as to control a scene. In the Luminaires tab, double-click the device, scroll to SMART SWITCH, and set the function you want.

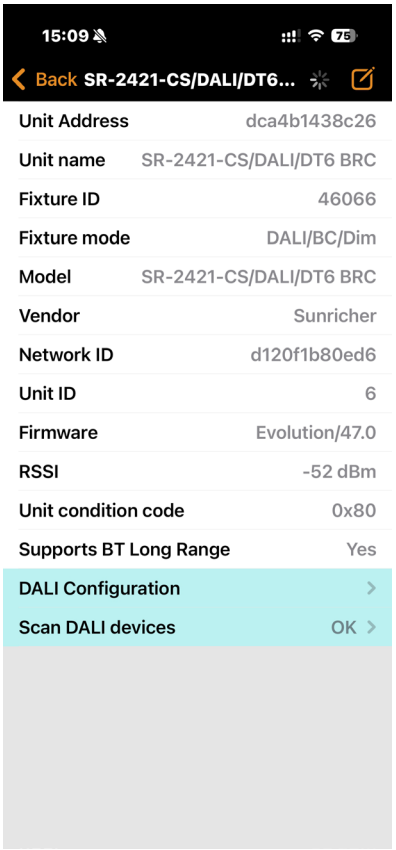


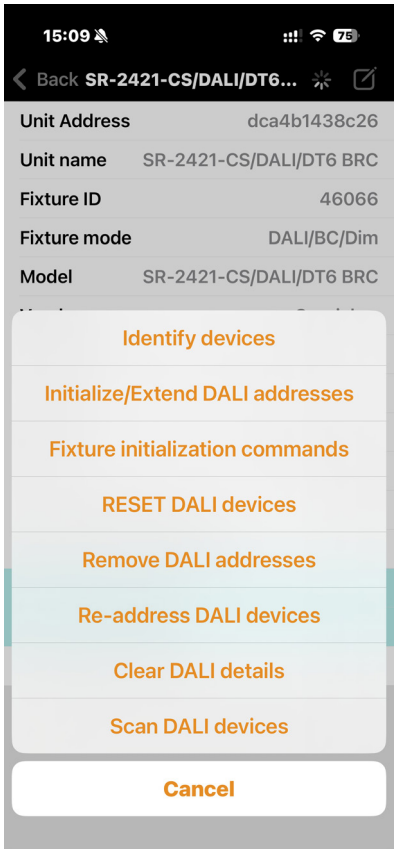


Relay Control:
The relay is controlled by the dimmer slider of the profiles, when the dimmer slider is adjusted over 0%, the relay will be switched on, when the dimmer slider is adjusted to 0%, the relay will be switched off.

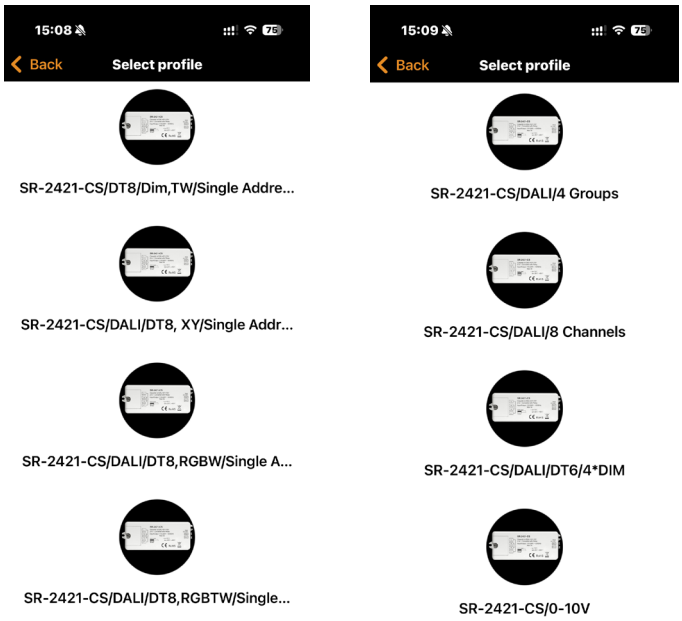
Note: Under "SR-2421-CS/DALI/8 Channels, 4 Groups, 2*(TW, DIM), DT6/4*DIM" profile, the relay can not be controlled.

DALI Configuration:
When the device is in DALI mode, you can assign or reset DALI addresses in the Casambi App. In the Luminaires tab, double-click the device, tap Details, tap DALI Configuration, and choose the needed configuration from the pop-up menu, as shown in the following figures.





Select Profile:
Factory default profile of this device is SR-2421-CS/DALI/DT6/BRC, you can switch to other control modes through the operation of "Change profile". In the Luminaires tab, double-click the device, tap Model, choose "Change profile" from the pop-up menu, and select another profile, other available profiles as shown in the following figures.



The control logic of the 10 profiles are as follows:

Profile	Function
SR-2421-CS/1-10V	Controls up to 20 parallel 1-10V dimmable drivers/luminaires
SR-2421-CS/DALI/DT6/BRC	broadcast control up to 25 DALI DT6 LED drivers/luminaires; supports on/off and dimming control
SR-2421-CS/DT//DIM, TW/Single Address	Controls DALI DT8 tunable-white LED drivers/ luminaires with address 0; supports on/off , dimming control and CCT control
SR-2421-CS/DALI/DT8, RGBW/Single Address	Controls DALI DT8 RGBW LED drivers/ luminaires with address 0; supports on/off , dimming and RGBW color control
SR-2421-CS/DALI/DT8, XY/Single Address	Controls DALI DT8 XY LED drivers/ luminaires with address 0; supports on/off , dimming and RGB color control
SR-2421-CS/DALI/DT8, RGBTW/Single Address	Controls DALI DT8 RGBTW LED drivers/ luminaires with address 0; supports on/off , dimming, CCT and RGB color control
SR-2421-CS/DALI/8 Channels	Controls DT6 control gears with address 0-7; supports on/off and dimming control
SR-2421-CS/DALI/DT6/4*DIM	Controls DT6 control gears with address 0-3; supports on/off and dimming control
SR-2421-CS/DALI/4 Groups	Controls 4 DALI groups with group addresses 0-3; supports on/off and dimming control
SR-2421-CS/DALI/2*(DIM, TW)	Controls DT8 tunable-white control gears with addresses0-1; supports on/off dimming, and CCT Control

DIMENSIONS

