Casambi Phase Load Dimmer with 12V Aux Output
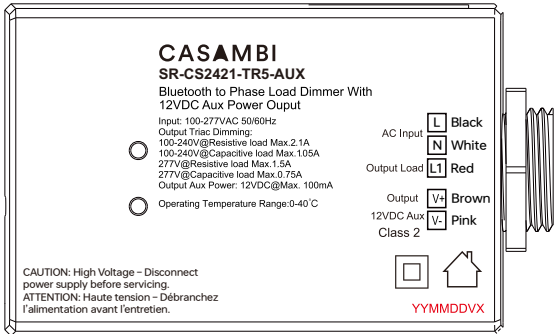
cULus LISTED CE FC RoHS COMPLIANT 110 CASAMBI
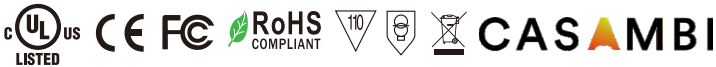
Features

- Casambi phase load dimmer
- Standard 1/2'' knockout design, easy to integrated to a junction box
- Built-in IoT/Sensor application interface, Max. 100mA@12V
- Work with our BLE to 0-10V load dimmer to realize more convenient and flexible control
- Support reverse edge(trailing edge) type driver
- Can be wirelessly controlled by Casambi app, Casambi switches, kinetic switches and Casambi sensors
- External antenna, typical mesh range is over 50meters line of sight for indoor environment
- UL listed. Category: PAZX (Management Equipment, Energy). UL 2043 Plenum Rated
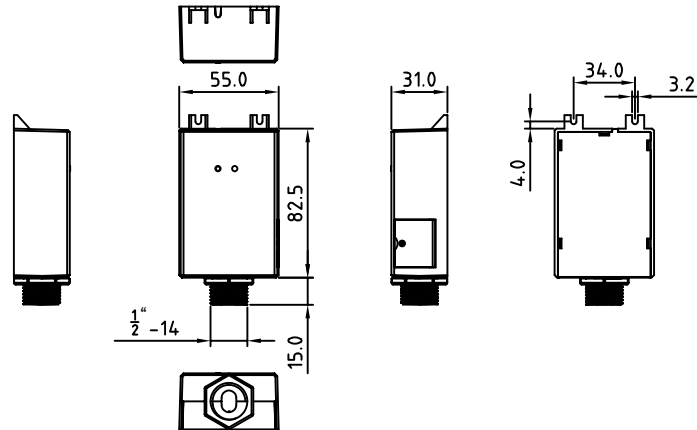- Waterproof grade: IP20
- 5 years warranty

Product Info

CASAMBI

SR-CS2421-TR5-AUX
Bluetooth to Phase Load Dimmer With
12VDC Aux Power Ouput
Input: 100-277VAC 50/60Hz
Output Triac Dimming:
100-240V@Resistive load Max.2.1A
100-240V@Capacitive load Max.1.05A
277V@Resistive load Max.1.5A
277V@Capacitive load Max.0.75A
Output Aux Power: 12VDC@Max. 100mA

Operating Temperature Range:0-40°C

AC Input — L Black / N White
Output Load — L1 Red
Output 12VDC Aux Class 2 — V+ Brown / V- Pink

CAUTION: High Voltage – Disconnect power supply before servicing.
ATTENTION: Haute tension – Débranchez l'alimentation avant l'entretien.

YYMMDDVX

Parameters

Input	Power	100-277VAC
Output, Aux. Power	VDC/mA	12V, Max. 100mA
Output, Phase Dimming	Line Voltage	100-277VAC
	Current	Max. 2.1A
Environment	Operating Temperature	0℃-+40℃
	Relative Humidity	8% to 80%
Others	Size	82.5*55*31mm

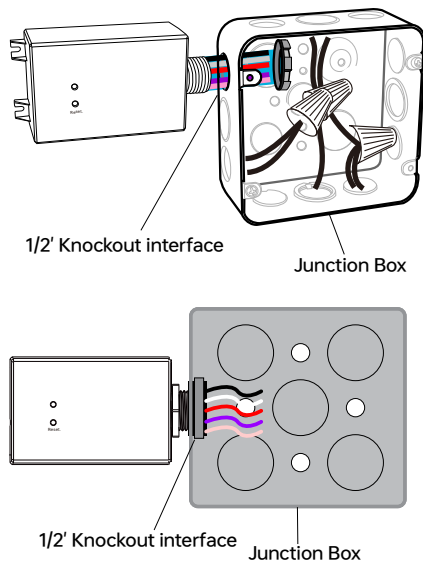| Compatible Load Types			
Load Symbol	Load Type	Maximum Load	Remarks
	Incandescent lighting HV Halogen lamps	1*252W@120V , 1*504W@240V 1*415W@277V	
	Low voltage halogen lighting with electronic transformers	1*252W@120V , 1*504W@240V 1*415W@277V	
	Dimmable LED lamps	1*126W@120V 1*252W@240V 1*207W@277V	
	Dimmable LED Drivers	1*126W@120V 1*252W@240V 1*207W@277V	

Warning

- DO NOT expose the device to moisture.
- DO NOT install with power applied to device.
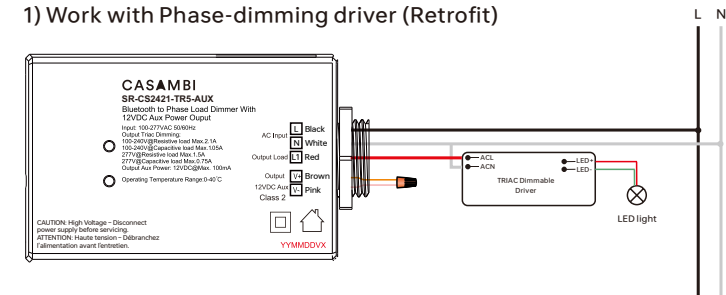- DO wiring according to connection diagram.

Dimension

55.0
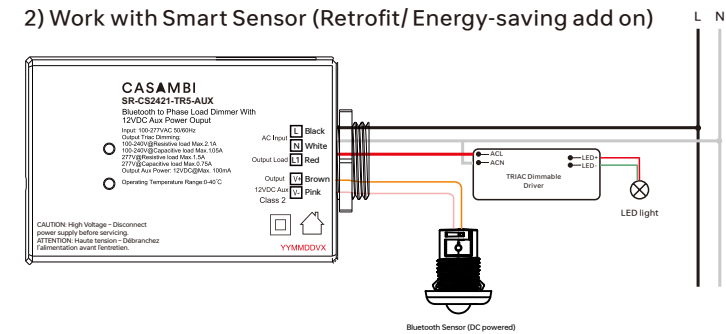31.0
34.0
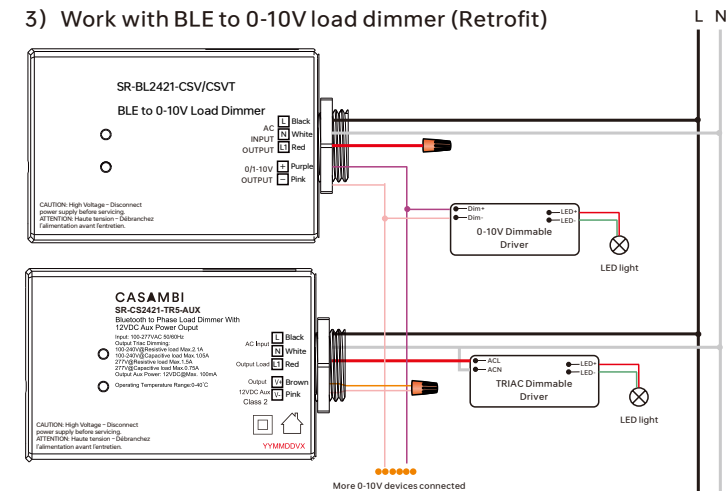3.2
82.5
4.0
15.0
1/2 " −14

Installation

1/2' Knockout interface

Junction Box

1/2' Knockout interface

Junction Box

Wiring

1) Work with Phase-dimming driver (Retrofit)

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AC Input — L Black / N White
Output Load — L1 Red
Output — V+ Brown
12VDC Aux — V- Pink
Class 2

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ACL / ACN — LED+ / LED-
TRIAC Dimmable Driver

LED light

L N

2) Work with Smart Sensor (Retrofit/ Energy-saving add on)

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YYMMDDVX

ACL / ACN — LED+ / LED-
TRIAC Dimmable Driver

LED light

Bluetooth Sensor (DC powered)

L N

3) Work with BLE to 0-10V load dimmer (Retrofit)

SR-BL2421-CSV/CSVT

BLE to 0-10V Load Dimmer

AC INPUT — L Black / N White
OUTPUT — L1 Red
0/1-10V OUTPUT — + Purple / – Pink

CAUTION: High Voltage – Disconnect
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l'alimentation avant l'entretien.

Dim+ / Dim- — LED+ / LED-
0-10V Dimmable Driver

LED light

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YYMMDDVX

ACL / ACN — LED+ / LED-
TRIAC Dimmable Driver

LED light

More 0-10V devices connected

L N

Note：

1) You can both have 0-10V and Phase dimming. Those traditional dimming methods become Wireless.

2) You can handle those major retrofit projects, whether they're using Phase dimming or 0-10V, even both. We have PROPER solutions.

3) Smart IoT Aux power interface allows you to have that diversity into different applications.
     Especially for those projects with energy-code requirements.

Dimming

Reverse-phase/Trailing-edge control
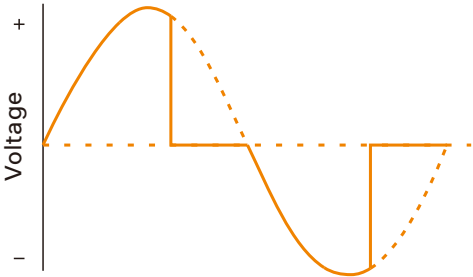
Note:
The default is reverse-phase dimming, which could be forward-phase based on requirements.

Update Log

Date	Version	Update Content	Update by
2025-3-10	V1.0	Initial Version	Jerry

Subject to change without notice. Please contact us if you have any questions.