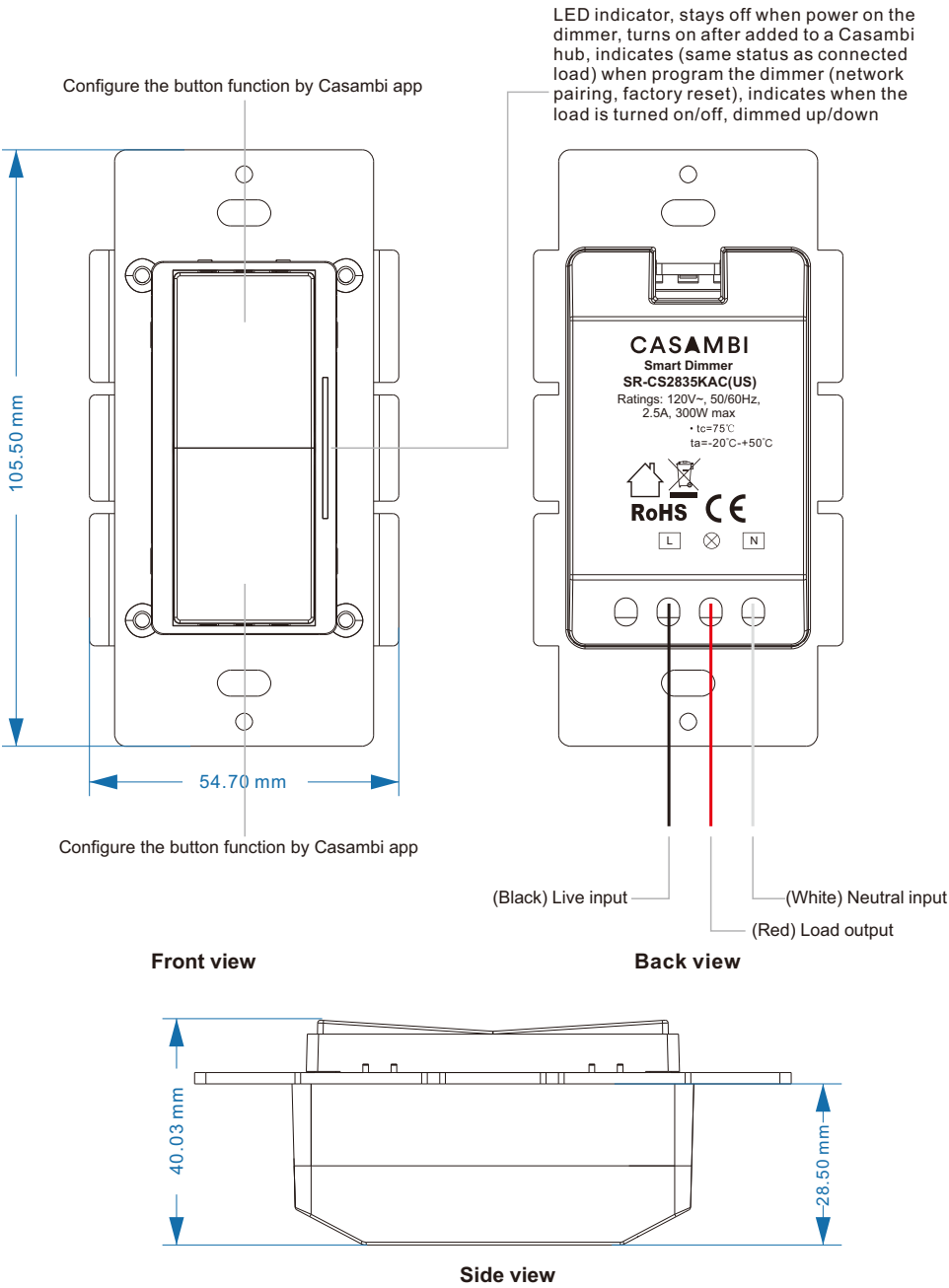


Casambi Phase Cut Smart Dimmer



Important: Read All Instructions Prior to Installation

Function introduction



Product Data

Input Voltage	Output Voltage	Output Current	Size(LxWxH)	Ambient Temperature
120VAC	120VAC	2.5A max	105.5x54.7x40.03mm	-20°C ~ +50°C

Compatible Load Types			
Load Symbol	Load Type	Maximum Load	Remarks
	Dimmable LED lamps	150W @ 120V	Due to variety of LED lamp designs, maximum number of LED lamps is further dependent on power factor result when connected to dimmer.
	Dimmable LED drivers	150W @ 120V	Maximum permitted number of drivers is 150W divided by driver nameplate power rating.
	Incandescent lighting, HV Halogen lamps	300W @ 120V	
	Low voltage halogen lighting with electronic transformers	300W @ 120V	

- Casambi keypad smart dimmer
- Can work under no neutral wiring and with neutral wiring, self-adaptive
- Supports resistive loads, capacitive loads or inductive loads
- 1 channel output, up to 300W
- Trailing edge dimming
- Button function can be configured by Casambi app
- Typical mesh range is over 50 meters line of sight for indoor environment
- The phase dimmer can be controlled by Casambi app, remotes, wall switches, kinetic switches, the buttons can control Casambi network wirelessly
- Standard size, can be compatible with existing US standard frames, and installed into existing junction box
- Radio Frequency : 2.4GHz
- Waterproof grade: IP20

Main Features:

- Can operate under two-wire connection with no neutral lead or three-wire connection with neutral lead
- Advanced microprocessor control
- Implemented algorithm of smart light source detection
- Active power and energy metering functionality
- Soft start function
- The Bypass is an extension unit

As a dimmer it operates under the following loads:

- Conventional incandescent and HV halogen light sources
- ELV halogen lamps and dimmable LED bulbs (with electronic transformers)
- MLV halogen lamps (with ferromagnetic transformers)
- Dimmable LED bulbs
- Dimmable compact fluorescent CFL tube lamps
- Supported dimmable light sources (power factor > 0.5) with minimal power of 3VA using the Bypass (depending on the type of load)

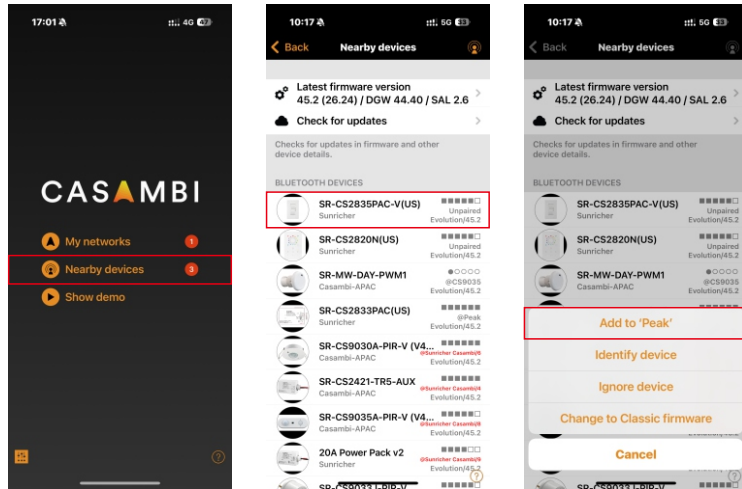
Safety & Warnings

- DO NOT install with power applied to device.
- DO NOT expose the device to moisture.

Configure push button function via Casambi APP

1. Add the Casambi dimmer and lighting devices to the same Casambi network.

Open Casambi App, tap "Nearby devices" -> tap the dimmer to be added -> tap "Add to 'Peak' " to add it to the network -> the dimmer will be successfully added.

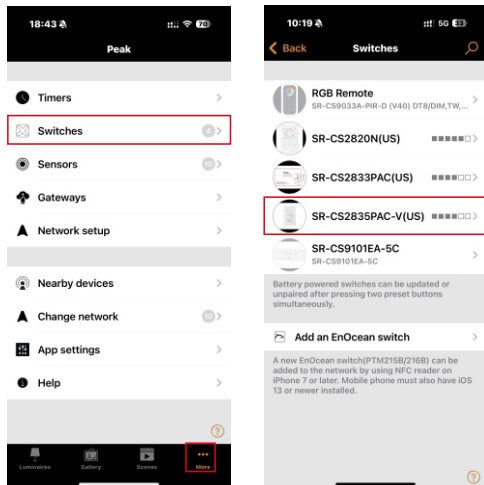


2. Configure the push button functions.

Two buttons are available for configuration. Each button can be configured to control a luminaire, a group, a scene, an element or all luminaires.

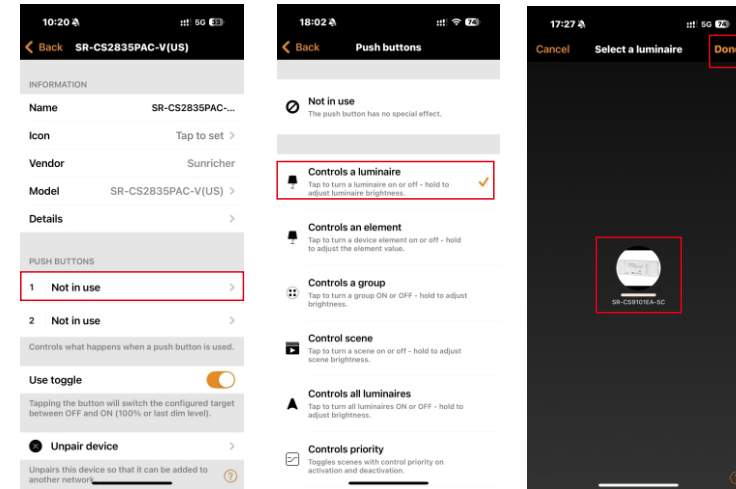
2.1 Find the dimmer

On the More tab -> tap "Switches" and the added dimmer is displayed -> tap the coupler to configure button functions.



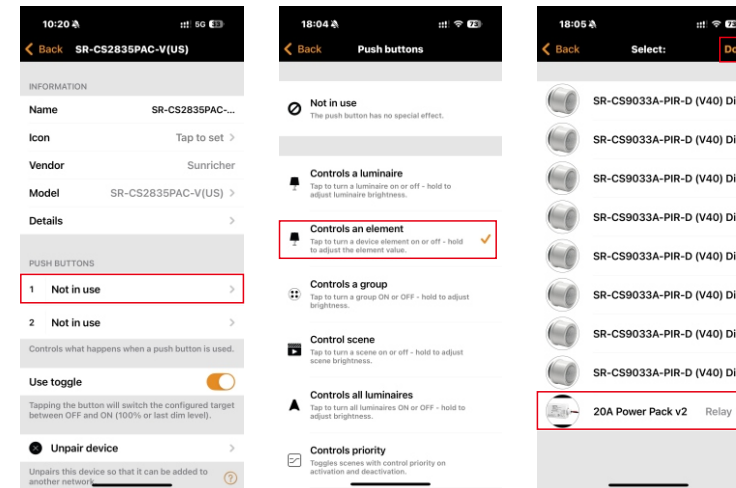
2.2 Controls a luminaire

Choose one button (eg.: 1) -> tap "Controls a luminaire" -> select the luminaire to be added -> tap "Done".



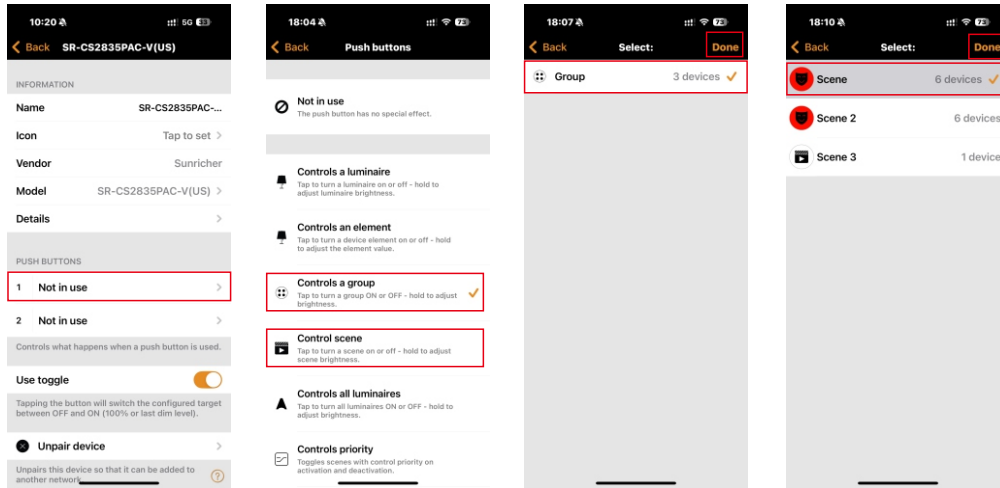
2.3 Controls an element

Choose one button (eg.: 1) -> tap "Controls an element" -> select the element to be added -> tap "Done".



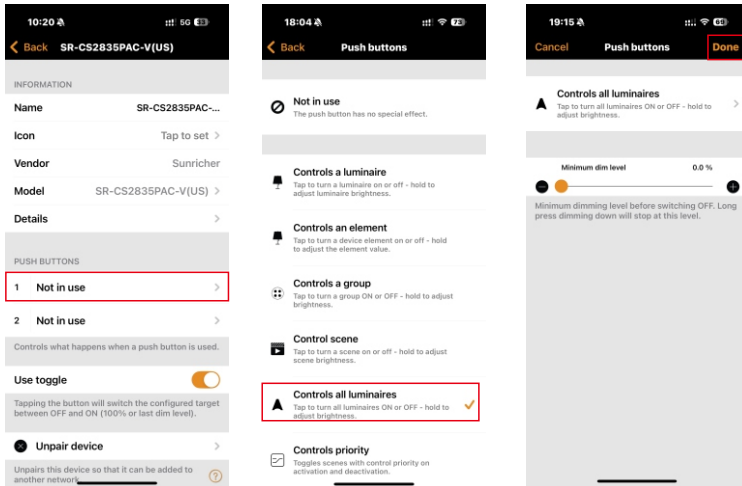
2.4 Controls a group/scene

Choose one button (eg.: 1) -> tap "Controls a group/scene" -> select the group/scene you have already created -> tap "Done".



2.5 Controls all luminaires

Choose one button (eg.: 1) -> tap "Controls all luminaires" -> tap "Done".



Wiring Diagram

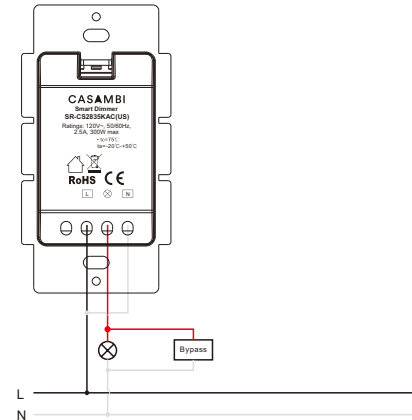
Notes for the diagrams:

L - terminal for live lead

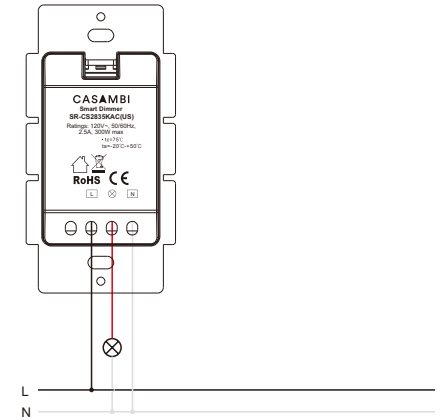
N - terminal for neutral lead

⊗ - output terminal of the dimmer (controlling connected light source)

2-Wire connection without neutral lead

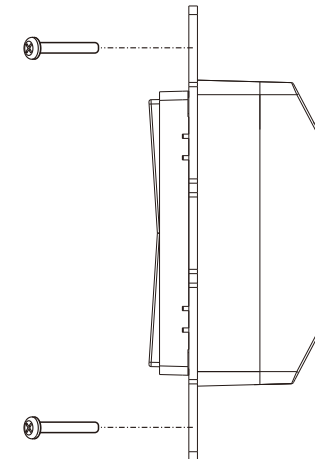
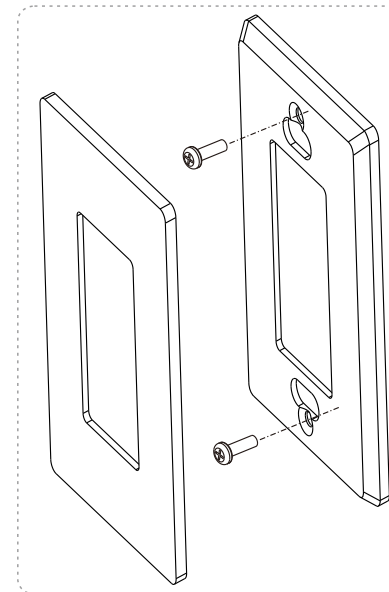


3-Wire connection with neutral lead



The Bypass is a device designed to work with the knob smart dimmer. It should be used in case of connecting LED bulbs or energy saving compact fluorescent lamps. The Bypass prevents flickering of the LED lights and glowing of the turned off compact fluorescent lamps. In the case of 2-wire connection, the Bypass allows to reduce minimum power of load required by the dimmer for correct operation. The Bypass provides powering of the dimmer in case of controlling the low loads of minimum power down to 3W (for $\cos\phi > 0.5$).

Installation



← Wallplate/Adapter purchased separately