

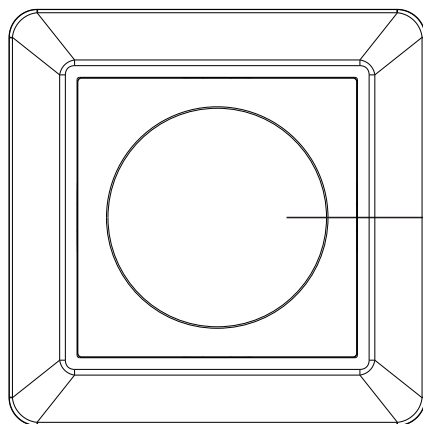
Casambi Push + Knob Smart Dimmer

CASAMBI CE FC RoHS COMPLIANT

Important: Read All Instructions Prior to Installation

Function introduction

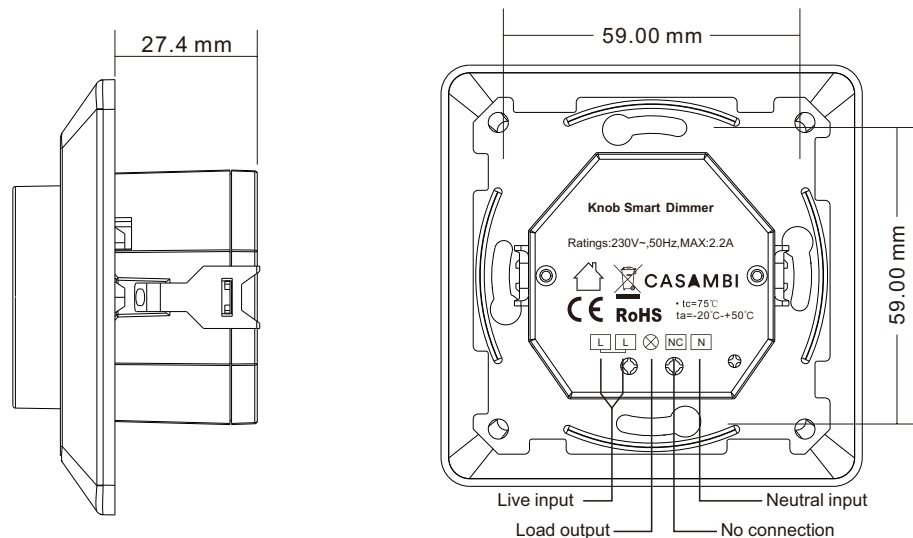
With Plastic Frame



Front side

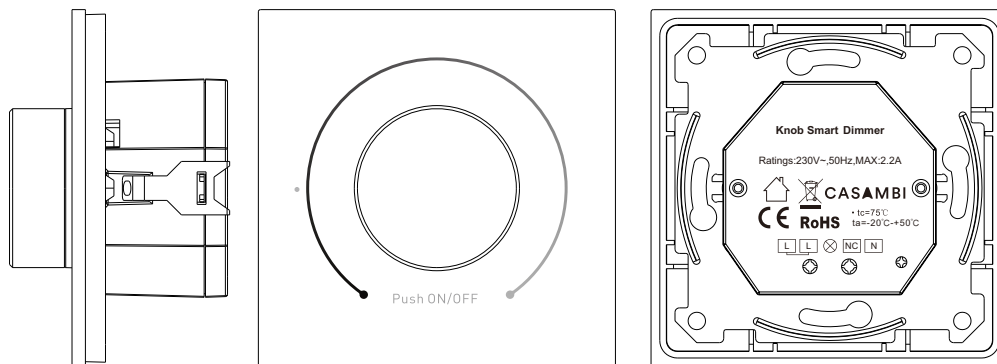
Rotary knob:

1. Click to turn on/off. Double-click to switch between brightness, color temperature, and RGB modes.
2. Rotate to adjust brightness/color temperature/RGB color
3. Control target can be configured in Casambi App, e.g. a luminaire, a group, or a network



Back side

With Glass Frame



Product Data

Input Voltage	Output Voltage	Output Current	Size(LxWxH)	
100-240VAC	100-240VAC	2.2A max	Plastic Frame: 83.8x83.8x47.1mm	Glass Frame: 80x80x53mm

Compatible Load Types			
Load Symbol	Load Type	Maximum Load	Remarks
	Dimmable LED lamps	250W @ 230V 125W @ 110V	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	250W @ 230V 125W @ 110V	Maximum permitted number of drivers is 250W divided by driver nameplate power rating.
	Incandescent lighting, HV Halogen lamps	500W @ 230V 250W @ 110V	
	Low voltage halogen lighting with electronic transformers	250W @ 230V 125W @ 110V	

- Casambi Push + knob smart dimmer
- 100-240VAC wide input and output voltage, 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 500W
- Trailing edge dimming
- Enables to control ON/OFF and light intensity of connected light source
- Can be configured and controlled by the Casambi app
- Typical mesh range is over 50 meters line of sight for an indoor environment
- Compatible with existing EU standard frames and installed into a standard-size wall box
- Waterproof grade: IP20

Safety & Warnings

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

Configuration via Casambi APP

Step 1: Open the Casambi app and add the dimmer to your Casambi network. Once added successfully, the dimmer will appear in the **Switches** view.

Step 2: In the **Switches** view, tap the dimmer to set up its button function. The dimmer has one configurable button, which you can assign to control either a single luminaire or a group in the app.

Step 3: After setup, you can control the lighting using either the dimmer or the app.

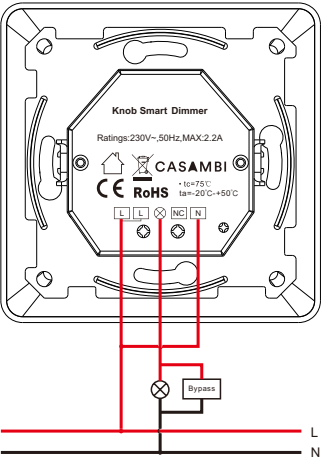
Note: For more detailed instructions, refer to the Casambi App User Manual.

Wiring Diagram

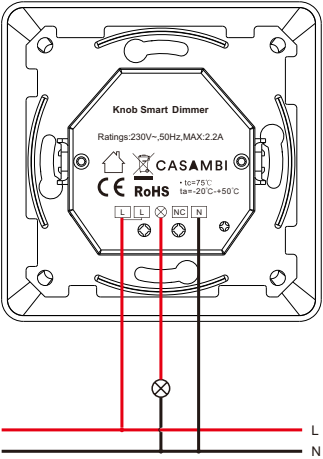
Notes for the diagrams:

- L - terminal for live lead
- N - terminal for neutral lead
- ⊗ - output terminal of the dimmer (controlling connected light source)

(1) Without Neutral Lead



(2) With Neutral Lead



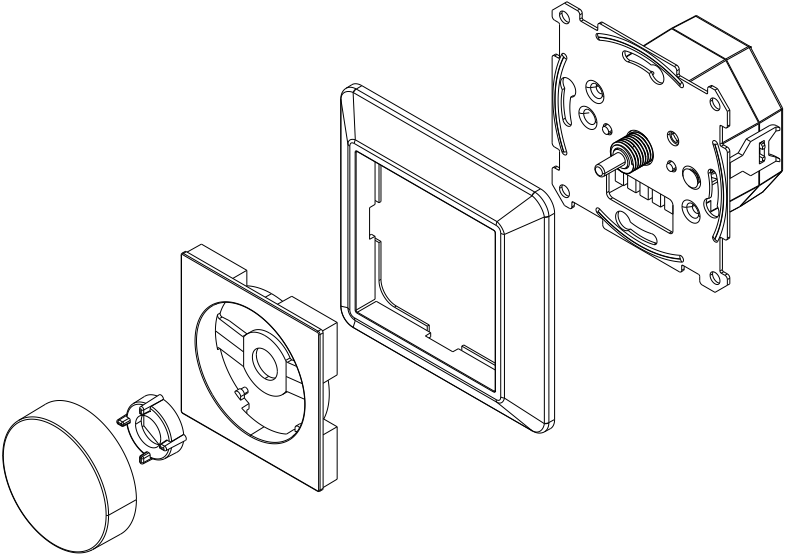
The Bypass is a device designed to work with the knob dimmer. It should be used in case of connecting LED bulbs or energy saving compact fluorescent lamps. The Bypass prevents flickering of the LED lights and glowing of the turned off compact fluorescent lamps. In the case of no neutral connection, the 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 $\cos\phi>0.5$).

Compatible load types and recommended values of power for supported loads:

Supported load types		100-240V~	
	Resistive loads Conventional incandescent and halogen light sources	20-500W @ 230V 20-250W @ 110V	
	Capacitive loads Fluorescent tube lamp (compact / with electronic ballast), electronic transformer, LED	Using Bypass: 3-250W @ 230V 3-125W @ 110V	No Bypass Used: 20-250W @ 230V 20-125W @ 110V
	Inductive loads Ferromagnetic transformers	20-250W @ 230V 20-125W @ 110V	

Installation

With Plastic Frame



With Glass Frame

