

# Casambi Ready Phase Cut Dimmer

Model No: APD03CB



Trailing Edge Cut



AC 100-240V



Smart Control



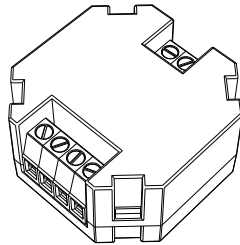
High Power



ON/OFF & Dimming



Push Button Function

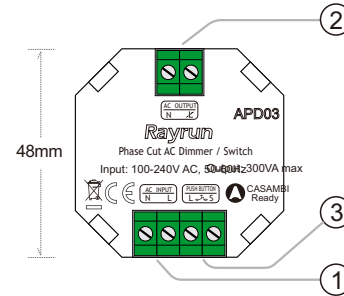


## ■ Introduction

This product is an AC power phase cut dimmer or on/off switch working for compatible lighting fixtures or AC loads. The power voltage range is AC100-240V, user can adjust the lighting brightness or on/off via Casambi app. It's designed to be installed in the wiring junction box or any suitable place.

With the trailing edge phase cut scheme and strong inrush current tolerance, it's compatible with most phase cut drivers. There's also push button function available, which user can define the function to control lights, scenes or groups via Casambi app.

## ■ Dimension & Terminal



### 1. Power supply input

Connect to AC power supply. The dimmer accepts international power voltage from AC 100V to 240V. Please make sure the power is in this range and shut down the AC power before connecting the cables. Please make sure the power cable is securely connected before powering on.

### 2. Power output

Connect to phase cut dimmable lighting fixture for dimming purpose, or connect to AC load for on/off control profile. Please make sure the load power is in range of the rated power. The power is rated at resistance load, once the power factor of load is low, the power must be derated. The derated power value should be the rated power multiplied by the load's power factor.



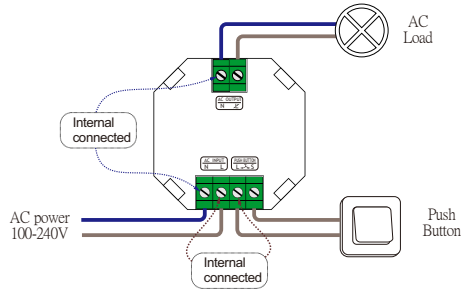
Rayrun

### 3. Push button

Connect to a normally open push button switch. The push button function can be defined via the Casambi app as dimming, controlling scenes or groups.

**CAUTION!** This switch is directly connected to the AC power supply. Please ensure the switch is well insulated to prevent electric shock!

### 4. Wiring diagram



### 5. Overheat protection

When the load current is too large, it can generate excess heat and trigger the overheat protection function. After the overheat protection, the unit will stop working for a while and try to resume working after temperature drops.

Please be noted this unit does not have overload protection function, overloading may lead to permanently damage.

### 6. Change profile

This unit can be configured as phase cut dimmer or on/off switch function by changing profile via Casambi app. The profile can only be changed on unpaired unit, please tap on the unpaired unit 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	Trailing edge phase cut / on-off control
Output Power	300W at AC220V, 150W at AC110V, with PF=1
Push button control	Normally open switch, AC connected
Wireless connection	CASAMBI protocol, @ 2.4GHz ISM band
Working temperature (Ta)	-20°C~+55°C
Dimension	48x48x24mm