

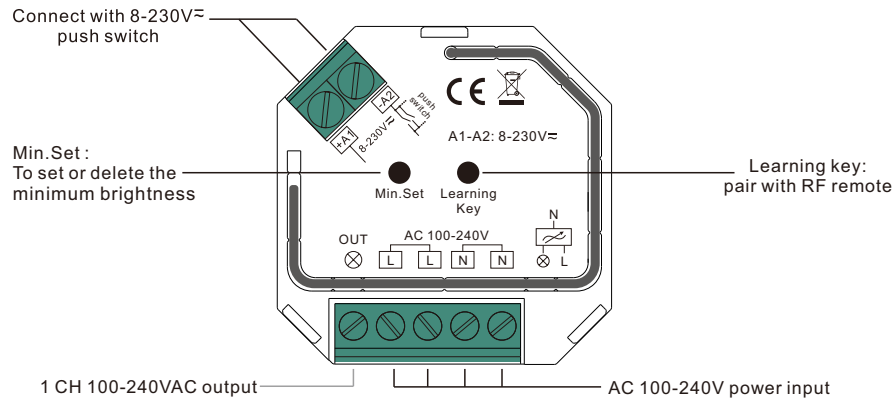
# AC Phase Cut RF + Push Dimmer

70020023



**Important:** Read All Instructions Prior to Installation

## Function introduction



## Product Data

Input Voltage	Output Voltage	Output Current	Size(LxWxH)
100-240VAC	100-240VAC	1.8A max	45.5x45x20.3mm

Compatible Load Types			
Load Symbol	Load Type	Maximum Load	Remarks
	Dimmable LED lamps	200W @ 230V 100W @ 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	200W @ 230V 100W @ 120V	Maximum permitted number of drivers is 200W divided by driver nameplate power rating.
	Incandescent lighting, HV Halogen lamps	400W @ 230V 200W @ 120V	
	Low voltage halogen lighting with electronic transformers	200W @ 230V 100W @ 120V	

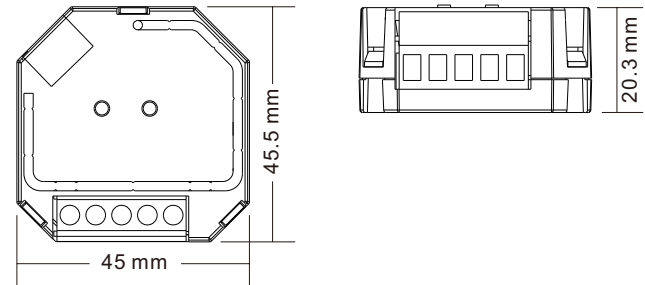
- 100-240VAC wide input and output voltage
- Radio Frequency : 868/869.5/916.5/434MHz
- 1 channel output, up to 400W
- Input and output with screw terminals, safe and reliable
- Trailing edge dimming
- Supports resistive loads and capacitive loads
- Innovative minimum brightness setting function

- Single wire push switch input for push dim function
- Great compatibility with universal 8V-230V~ input push switches
- Great compatibility with a variety of Perfect RF series single color remote controls
- To dim and switch single color dimmable LED lamps, traditional incandescent and halogen lights
- Mini size, easy to be 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.

## Product Dimension



## Wiring diagram

### Notes for the diagrams:

**L** - terminal for live lead

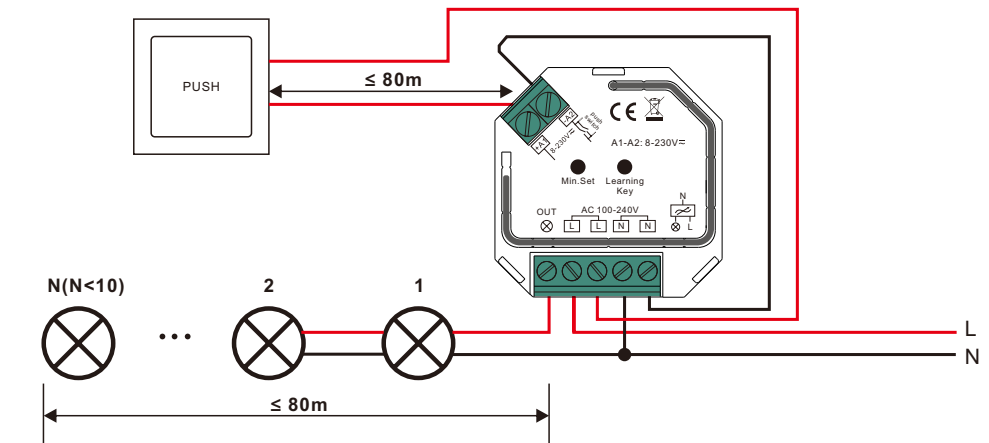
**N** - terminal for neutral lead

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

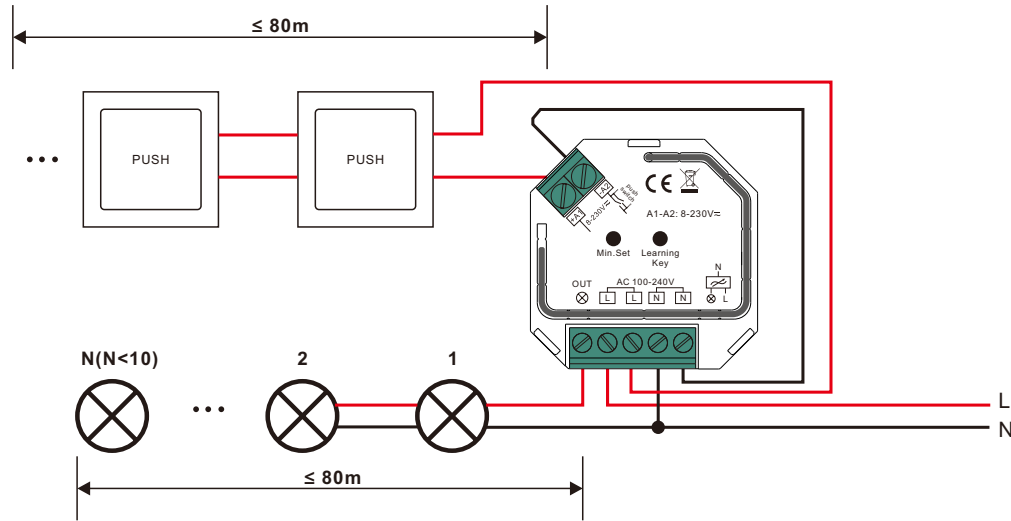
**+A1** - terminal for push switch

**-A2** - terminal for grounding to the switch connected to the dimmer

### 1) With Single Push Switch



## 2) With Multiple Push Switches for Multiple Control Points



## PUSH DIM:

While connected with PUSH switch, click the button to switch ON/OFF lights. Press and hold down the button to increase/decrease light intensity.

### Note:

- 1) The maximum allowed number of parallel connected drivers or luminaries shall be less than 10, otherwise the dimmer may be damaged due to the high inrush current at the moment of starting.
- 2) The maximum allowed cable length from the dimmer to connected drivers or luminaries shall not be longer than 80 meters.
- 3) The maximum allowed cable length from the push switches to the dimmer shall not be longer than 80 meters.

This phase dimmer adopts trailing edge dimming (reverse phase control), please make sure the connected loads support reverse phase control. Please refer to the user manual of the load or consult the supplier of the load.

### Pair/delete the pairing with RF remote

1. Do wiring according to connection diagram.
2. Pair RF Receiver with RF remote: please refer to the instruction of the remote that you would like to pair with.
3. Delete the pairing:
  - (1) Wire up the RF receiver correctly, power on.
  - (2) Press and hold down the “**Learning Key**” button on receiver for over 3 seconds until the connected light flashes, which means well deleted.

### Setting minimum brightness:

Adjust brightness to a level, then press and hold down “Min. Set” key on the dimmer until the light flashes, once set a minimum brightness, the light can only be dimmable between this minimum brightness and maximum brightness.

The dimming range of this dimmer is 1%-100%, but some load types may flicker when dimmed to 1%, thus a minimum brightness shall be set higher than 1% to avoid flickering during dimming process.

### Delete the minimum brightness:

Adjust the brightness to maximum level, then press and hold “Min. Set” key on the dimmer to delete the minimum brightness, the light will flash to indicate successful reset.