Product Information SR-ZG9101SAC-HP

Name: ZigBee Box Dimmer
Color: White
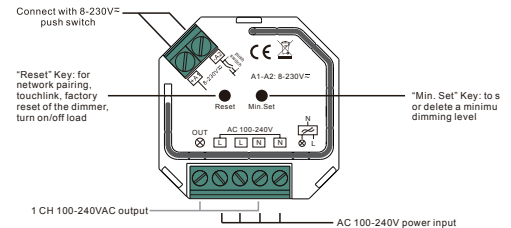**IP-Class:** IP20
Working temperature: 0~+40℃
Technical info: 100 -230VAC, Radio Frequency 2,4Ghz, ZigBee 3.0
Frequency: 50Hz

Connect with 8-230V⎓ push switch

"Reset" Key: for network pairing, touchlink, factory reset of the dimmer, turn on/off load

A1-A2: 8-230V⎓

"Min. Set" Key: to s or delete a minimu dimming level

OUT   AC 100-240V

Reset   Min.Set

1 CH 100-240VAC output

AC 100-240V power input

Load type:

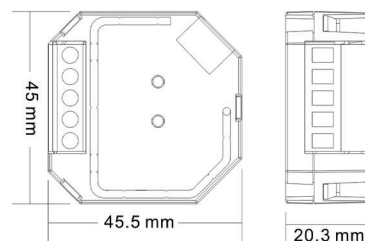| Compatible Load Types			
Load Symbol	Load Type	Maximum Load	Remarks
	Dimmable LED lamps	200W @ 220V 100W @ 110V	Due to variety of LED lamp designs, maximum number of LED lamps is further dependent on power factor result when connected to dimmer.
	Dimmable LED drivers	200W @ 220V 100W @ 110V	Maximum permitted number of drivers is 200W divided by driver nameplate power rating.
	Incandescent lighting, HV Halogen lamps	400W @ 220V 200W @ 110V	
	Low voltage halogen lighting with electronic transformers	200W @ 220V 100W @ 110V	

Product information:

The dimmer is for indoor use only.

The dimmer can be installed in normal wall boxes, controlled by one or more push buttons, or wireless ZigBee system.

Short press on push- button is ON/OFF, long press on button is rising/lowering the brightness, every second key push rising and every second time key push lowering.

The lamp stops at highest/lowest brightness.

Neutral conductor: Required

45 mm

45.5 mm

20.3 mm

Type Designation:

Type	Description/Remark
SR-ZG9101SAC-HP	ZigBee Box Dimmer 200W LED

Functional description

Commission:

Method 1: Short press "Reset" 4 times to start Touchlink commissioning immediately, 180S timeout, repeat the operation for each new device.

Method 2: Re-power on the device, Touchlink commissioning will start after 15S if it's not added to a ZigBee network, 165S timeout. Or start immediately if it's already added to a network, 180S timeout. Once timeout, repeat the operation.

Factory Reset Manually:

Step 1: Short press "Reset." 5 times or re-power on the device 5 times continuously.

Step 2: Connected light will blink 3 times to indicate successful reset.

Note: 1) If the device is already in factory default setting, there is no indication when resetting.

2) All configuration parameters will be reset after the device is reset or removed from the network.

Zigbee Network Pairing through Coordinator or Hub (Added to a Zigbee Network):

Step 1: Remove the device from previous ZigBee network if it has previously been added, otherwise pairing will fail. Please refer to the part "**Factory Reset Manually**".

Step 2: From your ZigBee Controller or hub interface, choose to add lighting device and enter Pairing mode as instructed by the controller.

Setting minimum brightness:

Adjust brightness to a desired level from ZigBee hub or controller interface or a remote, then press "Min. Set" key till connected load blink, then the connected load can only be dimmable between this minimum brightness and 100% 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 100% from ZigBee hub or controller interface or a remote, then press and hold down the "Min. Set" key on the dimmer for over 3s to delete the minimum brightness.
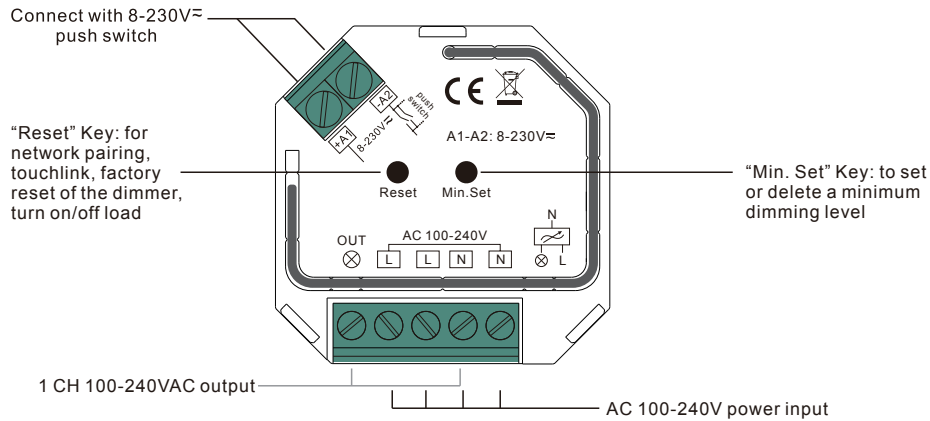
Note:

- If light is flickering, or take long time to start, or doesn't start at the same time, please adjust the "MIN" level to higher level.

- Lamp with same type can be connected in parallel but connecting different types of lamps in parallel is not recommended in general. Mixed connection of lamps suitable for leading edge and trailing edge (e.g. inductive load and capacitive load in parallel connection is not allowed.

- Check that load type and dimming mode match driver/lamp before dimmer is turned on.
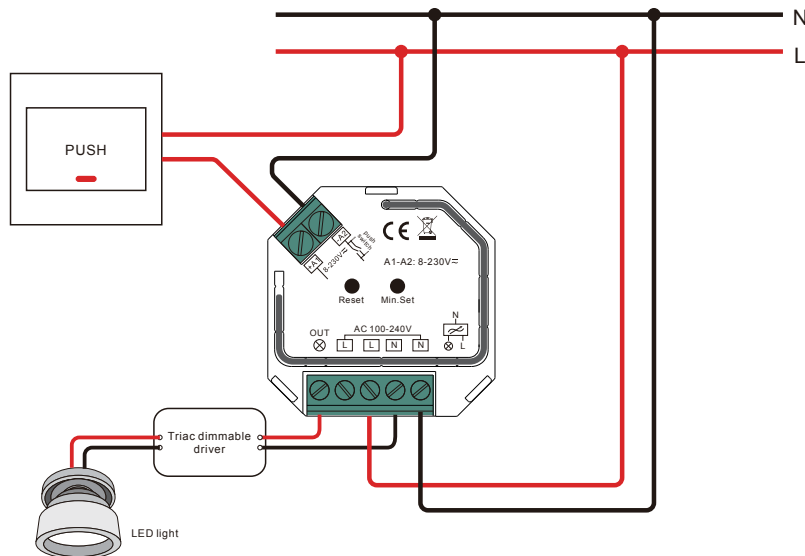
SAFETY INSTRUCTIONS:

Read these instructions carefully before commencing installation and keep it for future reference.
The dimmer should be installed by an authorized electrician and in accordance with local regulations.
Make sure that the power is off before installation or maintenance.
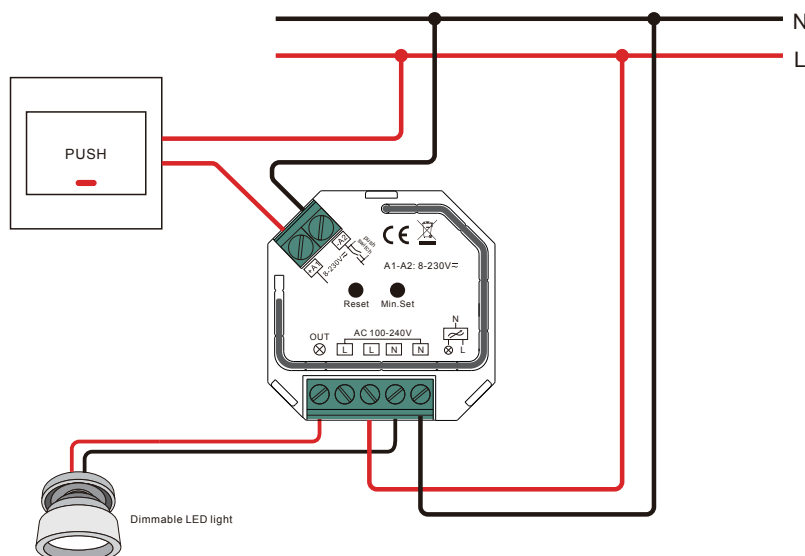
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Function introduction

Connect with 8-230V≈ push switch

A1-A2: 8-230V≈

"Reset" Key: for network pairing, touchlink, factory reset of the dimmer, turn on/off load

Reset   Min.Set

"Min. Set" Key: to set or delete a minimum dimming level

OUT   AC 100-240V

1 CH 100-240VAC output

AC 100-240V power input

Wiring diagram

(1)With triac dimmable driver

N

L

PUSH

A1-A2: 8-230V≈

Reset   Min.Set

OUT   AC 100-240V

Triac dimmable driver

LED light

(2)With dimmable LED light

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PUSH

A1-A2: 8-230V≈

Reset   Min.Set

OUT   AC 100-240V

Dimmable LED light

We recommend using Philips hue app and Philips hue Router.
Guide how to integrate ZigBee dimmer with Philips hue:

Start the Philips hue app. [1]

Go to "Settings" [2] and select "Light setup". [3]

Click on "Add light" [4] at the top left of the app.
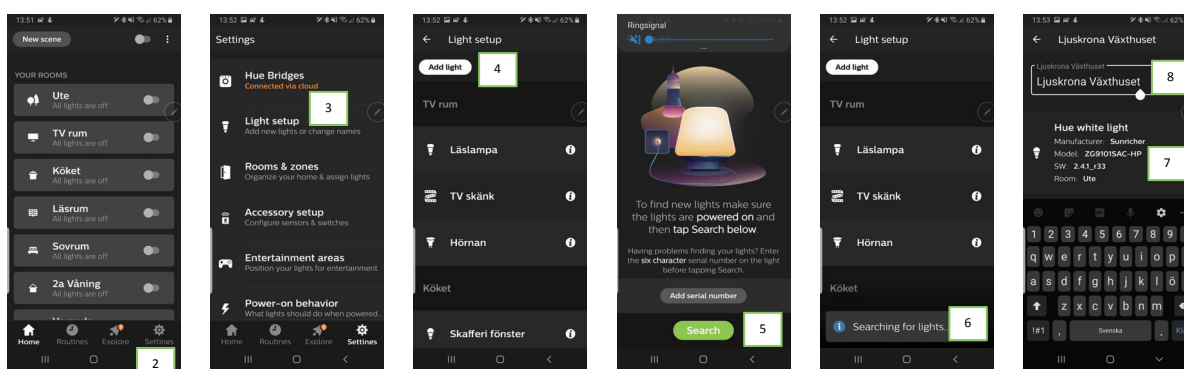
Click on "Search" [5]

hue starts searching for light [6]

Power ON the actuator and wait for hue to find a new light source.

hue will find the SR-ZG9101SAC-HP [7]

Re name and start using the dimmer inside hue. [8]

If the hue NOT find the unit, reset the actuator by pressing the reset button "key" 5 times again.
Start a new search "Add light" for next device to pair…..