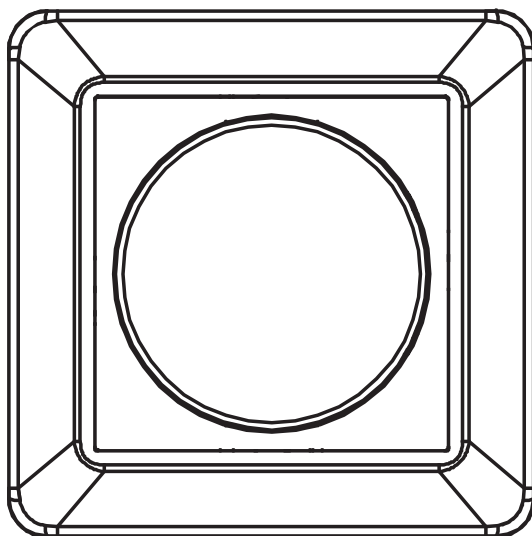
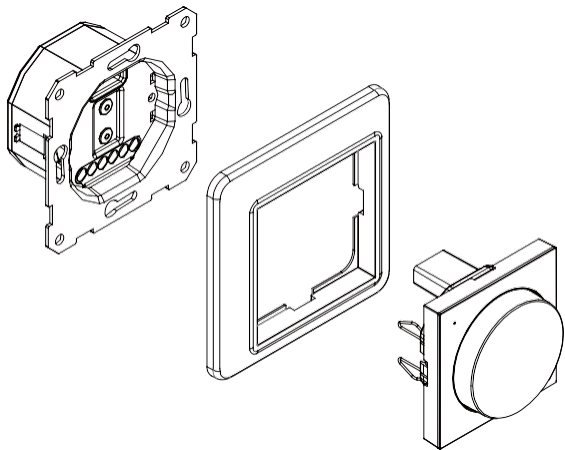




# NAMRON ZIGBEE LED DIMMER 2.0



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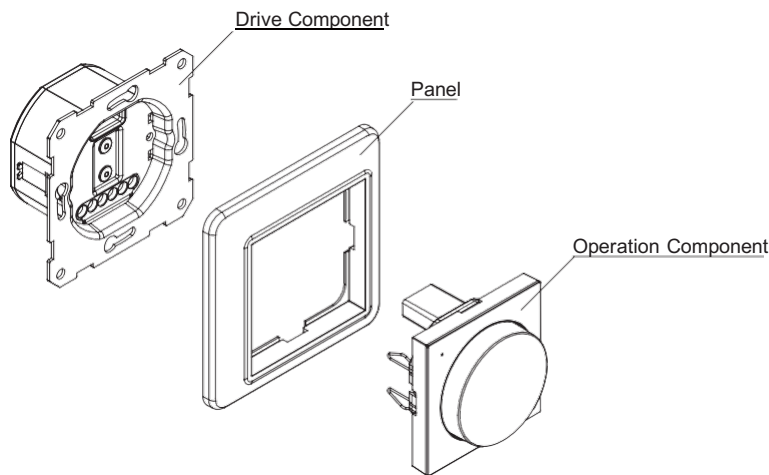


Model No.	4512750,4512751
Rated Voltage	220-240V~
Rated Frequency	50Hz
Rated Wattage	300W
Load Range	Incandescent:15W-300W
	LED/CFL:3W-200W
	 :3W-200W
	 :3W-100W
Dimming Method	Phase-cut
Working Environment	Temperature : -10℃ - 35℃
	Humidity : 10% R.H. - 90% R.H.
Model Size	71mm×71mm×52mm (L×W×H)

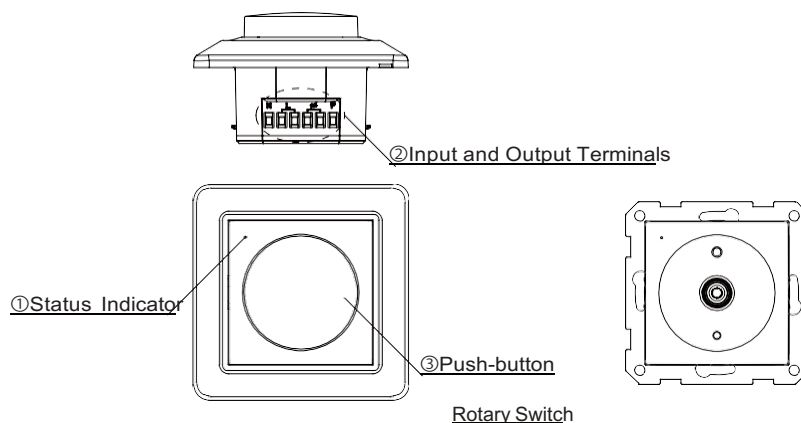
## 1. WARNINGS AND CAUTIONS

- 1.1 Risk of fire and electrical shock, the dimmer should be installed in accordance with appropriate electrical codes and regulations.
- 1.2 The dimmer should be protected by a 16A maximum miniature circuit breaker.
- 1.3 Turn power off at circuit breaker or fuse and test that power is off before installing.
- 1.4 After install the dimmer, it is recommended to set the minimum brightness level to make bulbs turn on immediately.
- 1.5 If you are unsure about any part of these instructions, consult a licensed electrician.
- 1.6 To reduce the risk of overheating and possible damage to other equipment, do not install to control a receptacle, a motor-operated appliance or a transformer-supplied appliance.
- 1.7 Use with compatible dimmable LED, CFL bulbs, Incandescent or halogen bulbs only.
- 1.8 When multiple bulbs are used with one dimmer DO NOT mix bulb types. All bulbs shall be either LED, CFL or incandescent. Using the same model of each bulb will enhance dimmer performance.
- 1.9 This product complies to EN60669-2-1.

## 2. Splicing Design



## 3. Functional Specifications



### 3.3.1 Turn on

Short press one time when in OFF.

### 3.3.2 Turn off

Short press one time when in ON.

### 3.3.3 Dimming:

- Turn clockwise to increase the brightness.
- Turn counterclockwise to decrease the brightness.
- Long press to adjust the brightness when in ON status.  
Release and long press again to change the direction of the dimming brightness.

### 3.3.4 Quickly full brightness

Continuous short press two times when in ON/OFF can quickly turn to the full brightest.

### 3.3.5 Find and bind mode

Continuous short press three times and the status indicator flash green once to start the Find and Bind Mode operation (① If not connected, exit the Find and Bind mode after 3 minutes).

Note1: Make sure the dimmer and remote are already added to the same ZigBee network.

Note 2: Find and Bind mode is available on dimmers produced after 06/24

### 3.3.6 Touch Link to a Zigbee Remote.

- Continuous short press four times and the status indicator flash green once to start the Touch Link operation when out off network.(①The distance between the Touch Link controller and the dimmer should be controlled within 10cm when pairing.②If it is not connected, exit the pairing mode after 1 minute.)If it cannot be used, restore factory settings, power off and power on the electricity again.

b. After the network connection, make sure the remote controller is in the gateway and the dimmer should be power off and power on the electricity again when using the Touch Link.

Note:

- 1) Directly Touch Link (both not added to a ZigBee network), each device can link with 1 remote.
- 2) Control with both gateway and remote, add remote and device to network first then Touch Link.
- 3) After Touch Link, the device can be controlled by the linked remotes.

Note 2: Touch Link mode is available on dimmers produced after 06/24

### 3.3.7 Startup Brightness

Setting the ideal startup brightness when in on status, continuous short press five times and the indicator light flash once.(If the brightness less than the startup brightness when been turned off,it will be in startup brightness when been turned on next time. Otherwise,the brightness will be in the brightness when turned off.)

### 3.3.8 Min brightness

Setting the ideal min brightness when in on status, continuous short press six times and the indicator light flash three times.

### 3.3.9 Max brightness

Setting the ideal max brightness when in on status, continuous short press eight times and the indicator light flash three times.

### 3.3.10 Network mode

Continuous short press seven times when in ON status. then the APP can connect the dimmer when the status indicator turn blue and flash. (①If failed to connect,APP will exit the network mode after three minutes.②During the network connection,the lamp may flicker if the light is in the brightest. After the network is successfully configured or the network is been withdrawn, the lamp will return to normal).

### 3.3.11 Clear brightness settings

Continuous short press nine times when in on status and the indicator light flash five time to clear the setting brightness (min or max).

### 3.3.12 Restore factory Settings

Continuous short press ten times when in ON and the lamp flash once. Then enter to network mode and the status indication turn blue and flash.

## 4. Tools Needed To Install he Dimmer

Ø5mm Philips Screwdriver	Test pencil
Electrical Tape	Plier
Cutter	Ruler

## 5. Installation

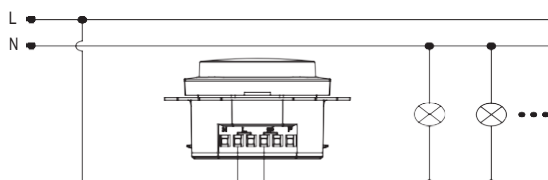
5.1 **△ WARNING:** To avoid fire and electrical shock, TURN PFF POWER at circuit breaker or fuse and test that power is off before wiring.

5.2 Choose the connection of 5.3.1 or 5.3.2 to install the dimmer per your requirement. \*The wire core cross-sectional area of the terminals is 0.75 mm<sup>2</sup> - 1.5mm<sup>2</sup>,stripping length is 9mm.

### 5.3 Typical wiring application

#### 5.3.1 Live Wire

##### 5.3.1.1 1-Way

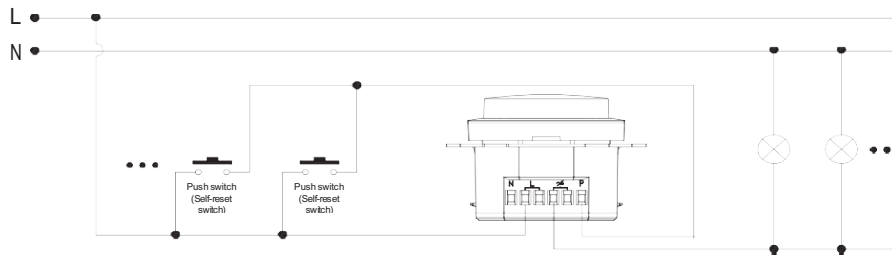


##### 5.3.1.2 Multi-way

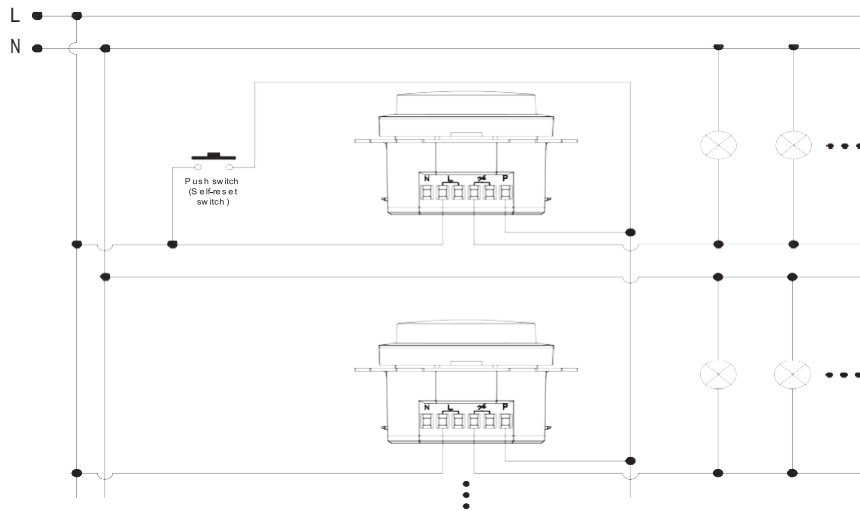
**NOTE:**

- (a) The dimmer should be connected to the electricity side of the load to ensure normal work.
- (b) The dimmer support to connect with multiple self-reset switches (20pcs at most) to control the UP/DOWN and ON/OFF at the same time.
- (c) Two or more dimmers should not be connected in parallel or series to control the same load from two different locations.

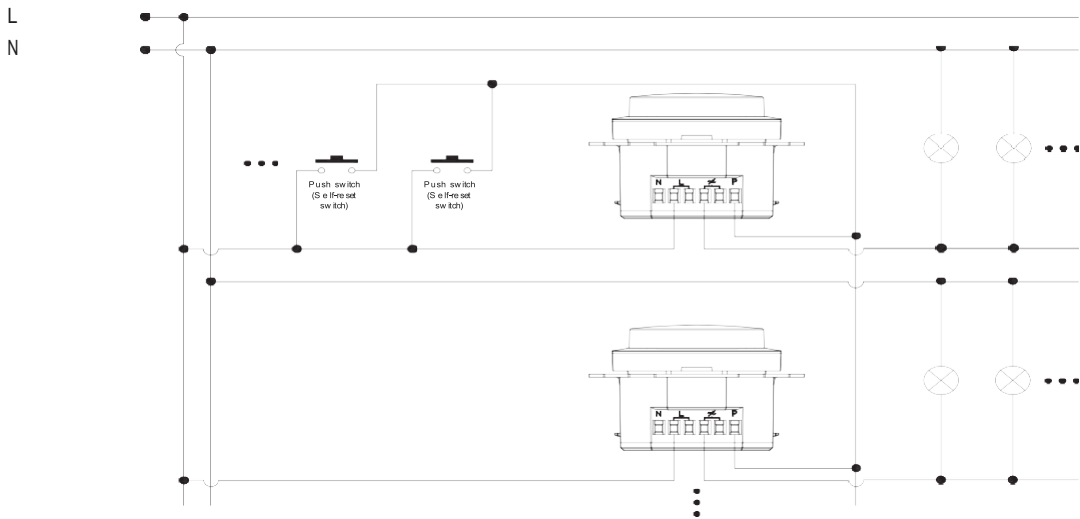
### Multiple self-switches control one dimmer wiring diagram



One self-reset switch control multiple dimmers wiring diagram

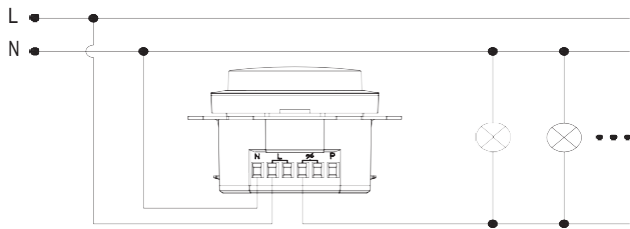


Multiple self-reset switches control multiple dimmers wiring diagram



5.3.2 Neutral and Live Wire

5.3.2.1 1-Way



5.3.2.2 Multi-way

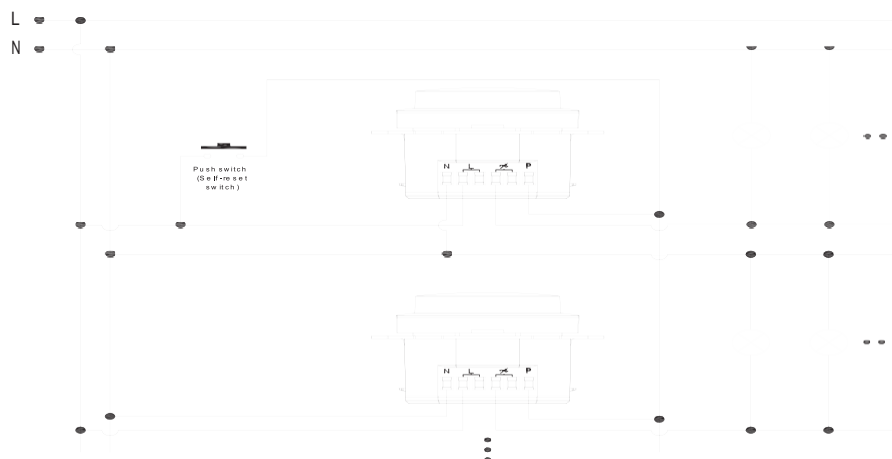
**NOTE:**

- (a) The dimmer should be connected to the electricity side of the load to ensure normal work.
- (b) The dimmer support to connect with multiple self-reset switches (20pcs at most) to control the UP/DOWN and ON/OFF at the same time.
- (c) Two or more dimmers should not be connected in parallel or series to control the same load from two different locations.

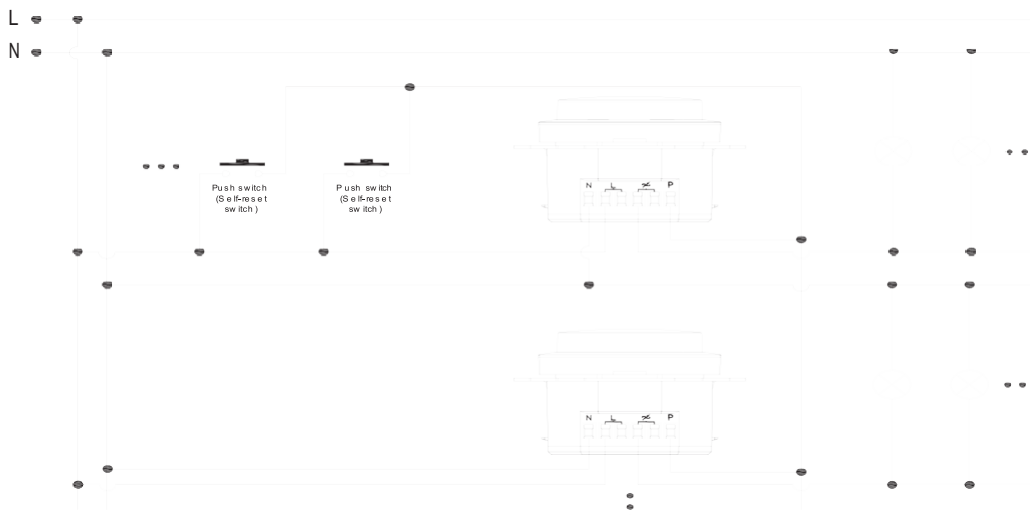
## Multipl self-reset switches control one dimmer wiring diagram



## One self-reset switch control multiple dimmers wiring diagram



## Multiple self-reset switches control multi-way dimmers wiring diagram



## 5.4 Installing dimmer

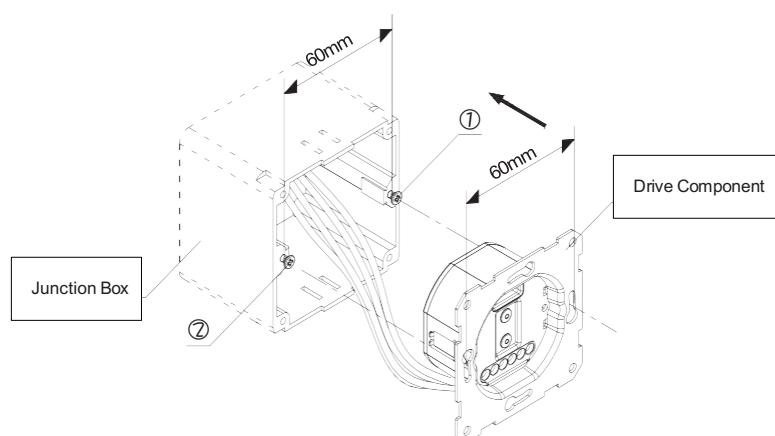
### 5.4.1 Divide the dimmer into two parts.

(Operation Component, Panel and Drive Component)

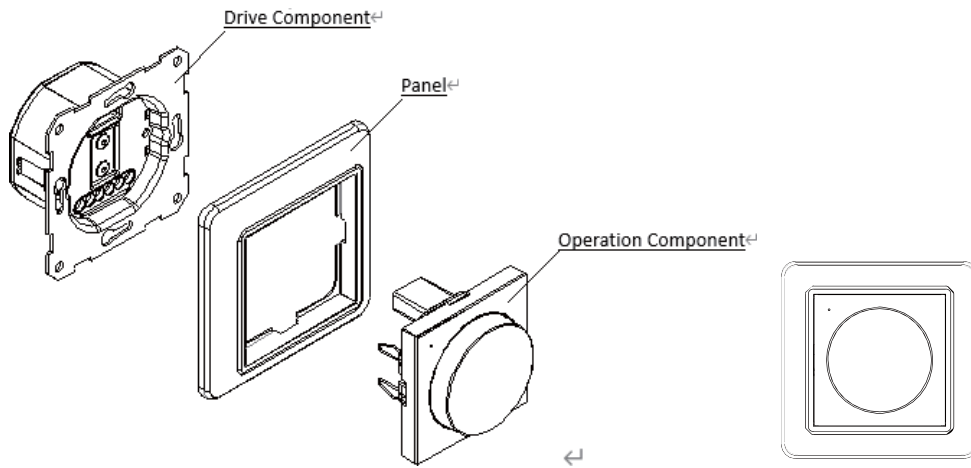
### 5.4.2 Carefully position all wires inside the wall-box, leaving enough space to insert the dimmer housing.

### 5.4.3 Put the Drive Component inside the wall-box and align at the screw holes(①②)

### 5.4.4 Tighten the screws(①②) to let the Drive Component stick to the Junction Box.



### 5.4.5 Install the Operation Component to the Fixing Panel and put them together to the Drive Component.



## 6. User Instructions

### 6.1 Function Instructions

**Table 1 1-way application function**

Function	Dimmer	Dimmer	App
Network Mode	Continuous short press the push-button rotary dimmer seven times	√	×
ON/OFF	Short press the push-button rotary switch one time	√	√
Dimming	Turn the push-button rotary switch	√	√
Quickly turn to the full brightest	Continuous short press the push-button rotary switch two times	√	√
Find and Bind Mode	Continuous short press the push-button rotary switch three times	√	×
Touch Link to a Zigbee Remote	Continuous short press the push-button rotary switch four times	√	×
Set the startup brightness	Continuous short press the push-button rotary switch five times	√	×
Set the min brightness	Continuous short press the push-button rotary dimmer six times	√	×
Set the max brightness	Continuous short press the push-button rotary dimmer eight times	√	×
Clear the settings (min or max ) brightness	Continuous short press the push-button rotary dimmer nine times	√	×
Restore factory Settings	Continuous short press the push-button rotary switch ten times	√	×
Schedule on/off	NO	×	√
Share device	NO	×	√
Group control	NO	×	√



Function	Dimmer	Dimmer	Self-reset Switch	App
Network Mode	Continuous short press the push-button rotary dimmer seven times	√	×	×
ON/OFF	Short press the push-button rotary switch one time	√	√	√
Dimming	Turn the push-button rotary switch	√	√	√
Quickly turn to the full brightest	Continuous short press the push-button rotary switch two times	√	√	√
Find and Bind Mode	Continuous short press the push-button rotary switch three times	√	×	×
Touch Link to a Zigbee Remote	Continuous short press the push-button rotary switch four times	√	×	×
Set the startup brightness	Continuous short press the push-button rotary switch five times	√	×	×
Set the min brightness	Continuous short press the push-button rotary dimmer six times	√	×	×
Set the max brightness	Continuous short press the push-button rotary dimmer eight times	√	×	×
Clear the setting(min or max ) brightness	Continuous short press the push-button rotary dimmer nine times	√	×	×
Restore factory Settings	Continuous short press the push-button rotary switch ten times	√	×	×
Schedule on/off	NO	×	×	√
Share device	NO	×	×	√
Group control	NO	×	×	√

## 6.2 Priority

The operation of self-reset switch could stop the operation of APP, when at the operation of self-reset switch, APP operation could not work.

## 7. Troubleshooting

Problems	Possible Cause	Solution
Lights flickering	Lamp has a bad connection.	Reconnect and fix the wires.
	Brightness adjusted to low	Adjust min brightness and consider add a startup brightness value
The brightness of the lamp varies	One dimmer been connected to multiple types bulbs, incur interference and cause flicker.	Change bulbs to same type.
LED and CFL flickers at low end of dimming range.	Load compatibility is not good.	Turn up lamp minimum brightness properly.
Lights does not turn on	Circuit breaker has tripped.	Turn power on
	Fuse burn out	Change fuse
	Lamp burned out	Change lamp
	Lamp neutral connection is not wired	Reconnect the lamp neutral
	Startup brightness to low	Adjust the startup brightness to a higher value
Lights out of control	Abnormal	Restart the power switch

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