

Zigbee S1-F-wz RF Single Line AC Phase Cut RF Dimmer



# Zigbee S1-F-wz RF Single Line AC Phase Cut RF Dimmer User Manual

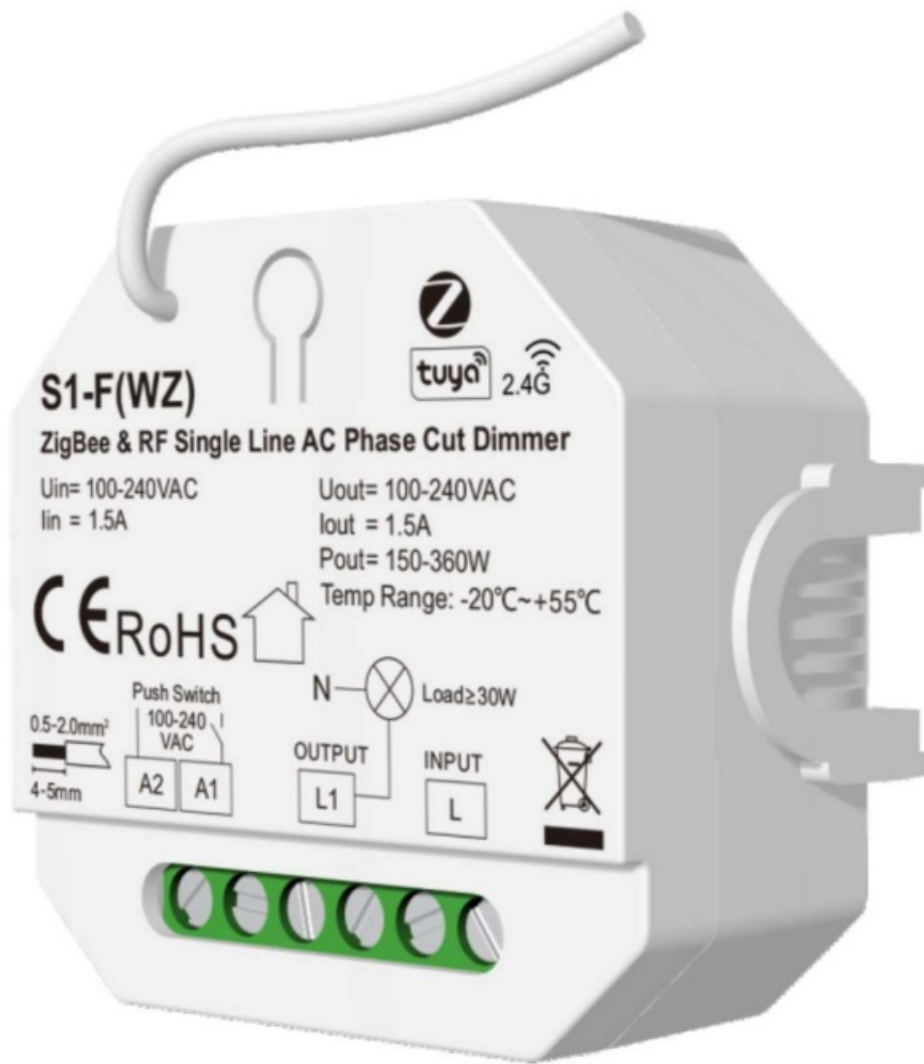
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**Zigbee S1-F-wz RF Single Line AC Phase Cut RF Dimmer**



### Zigbee + RF Single Line AC Phase Cut RF Dimmer

- RF + AC Push single line phase cut dimmer, 1 channel output.
- To dim and switch single-color dimmable LED lamps, traditional incandescent and halogen lights.
- Tuya APP cloud control, support on/ off, brightness adjust, delay turn on/off light, timer run, scene and music play function.
- Philips HUE APP control by connecting with Philips HUE bridge.
- Voice control, support for Amazon Alexa, Google Assistant, T mall Genie, and Xiaodu smart speakers.
- 256 levels 0-100% dimming smoothly without any flash.
- Min brightness can be set by key.
- Light on/ off fade time 3s selectable.
- Compatibility with RF 2.4G single zone or multiple zone dimming remote control.
- Connect with AC push switch to achieve on/ off and 0-100% dimming function.
- Easy to be placed in a standard wall junction box behind a push switch.
- Over-heat / Over-load protection, recover automatically.

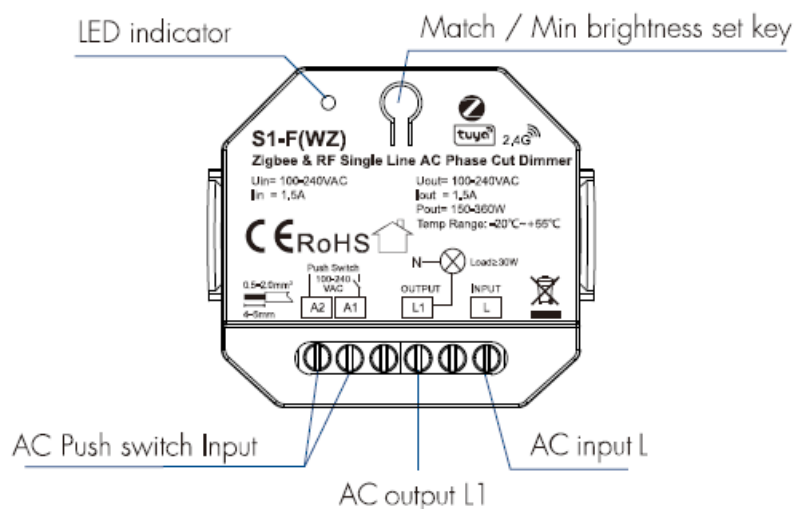
### Technical Parameters

Input and Output		Dimming data		Safety and EMC	
Input voltage	100-240VAC	Input signal	Tuya APP + RF + Push Dim	EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Output voltage	100-240VAC	Control distance	30m(Barrier-free space)	Safety standard	EN 62368-1:2020+A11:2020
Input current	1.5A	Dimming gray scale	256 level	Certification	CE,EMC
Output current	1.5A	Dimming range	0-100%	<b>Environment</b>	
Output power	150-360W	<b>Package</b>		Operation temperature	Ta: -20°C ~ +55°C
<b>Warranty and Protection</b>		Size	L 60xW60xH40mm	Case temperature (Max.)	Tc: +85°C
Warranty	5 years	Gross weight	0.069kg	IP rating	IP20
Protection	Over-heat, Over-load				

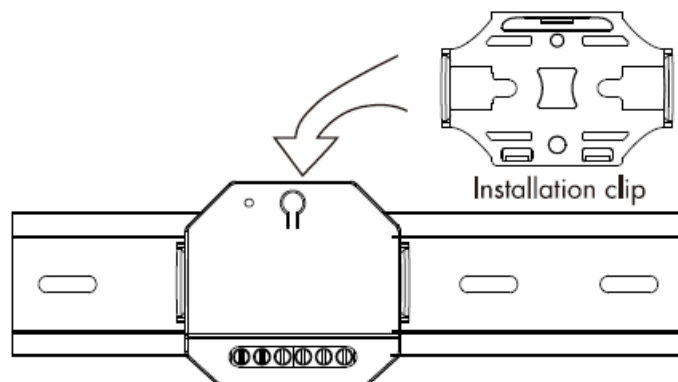
## Compatible Load Types

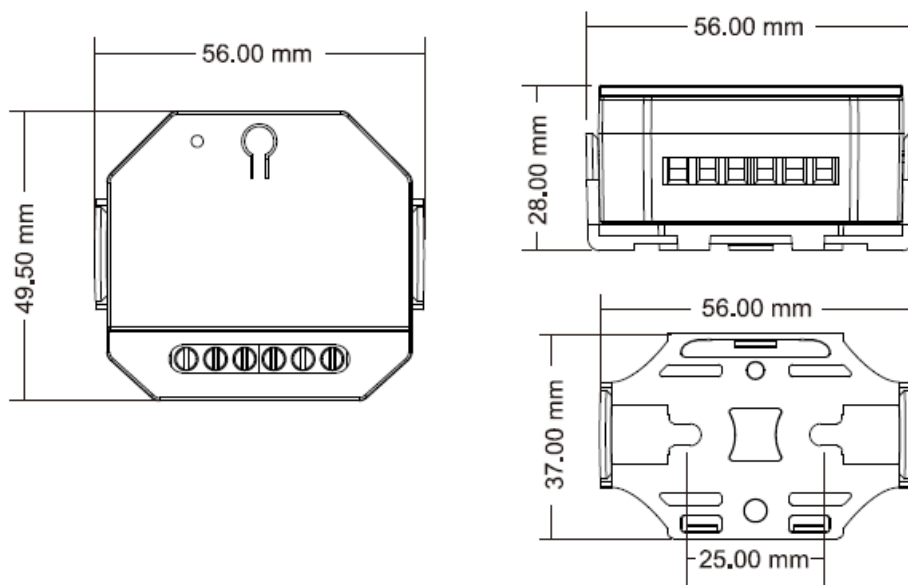
Load Type	Maximum Load	Remarks
Dimmable LED lamps	200W@ 220V 100W@ 110V	Due to the variety of LED lamp designs, the maximum number of LED lamps is further dependent on the power factor result when connected to a dimmer.
Incandescent lighting , HV Halogen lamps	400W@ 220V 200W@ 110V	

## Mechanical Structures and Installations



## Installation way

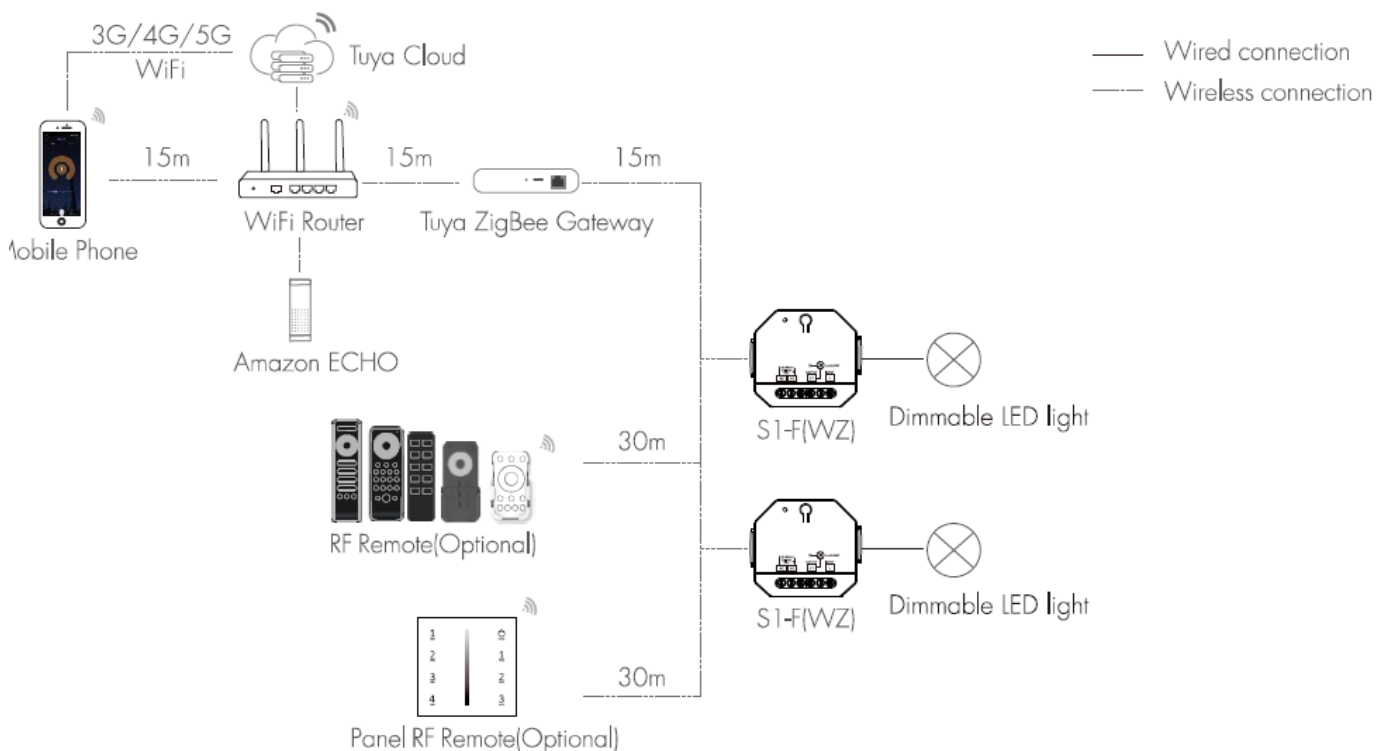




#### Note:

1. The installation must be installed or removed by a professional electrician.
2. Please keep the device out of the reach of children.
3. Please keep away from water, humid or hot environments.
4. The device should be kept away from strong signal sources (such as microwave ovens) to avoid signal interruption and cause the device not to work properly.
5. Avoid placing the device close to or near high-density materials (such as metal, concrete walls, etc., which will reduce or block the wireless signal).

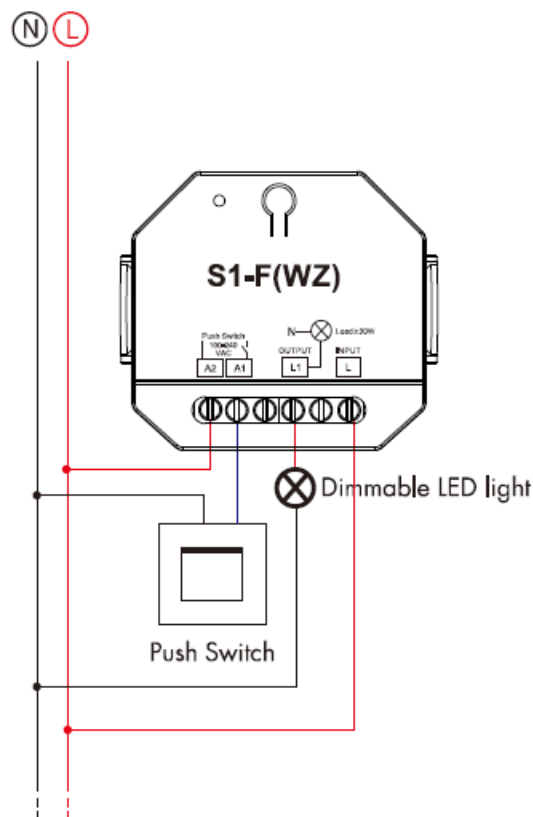
#### System wiring



#### Note:

1. The above distance is measured in a spacious (no obstacle) environment, please refer to the actual test distance before installation.
2. Users must use the Tuya ZigBee gateway to realize remote control and voice control.

## Wiring diagram



**Caution:** Please carefully ensure all wire connections and polarities are correct and secure before applying power, otherwise this dimmer will be damaged.

### Note:

1. To work properly, the single line phase cut dimmer of the connected load lamps should be  $> 30W$ .
2. When calculating the maximum number of load lamps, the input power or input current parameters of a single lamp must be used, the output power parameters can not be used.
  - In addition, the maximum surge current of the dimmer is 65A, and the sum of the surge current of multiple dimmable LED lamps should not exceed 2 times. otherwise, the product will be overloaded and damaged.

## Push dim function

- **Short press:** Turn on or off the light.
- **Long press (1-6s):** Press and hold to step-less dimming, With every other long press, the light level goes in the opposite direction.
- **Dimming memory:** light returns to the previous dimming level when switched off and on again, even at power failure.

## Min brightness setting

Long press the Min set key for 10s, the light blink 2 times, ready for min brightness set, then short press Min set key 1-4 times, to get 4 min brightness: 5%, 10%, 15%, 20%, the light will output the current min brightness immediately, wait 5s, quit min brightness set, the light will output 100% brightness automatically.

### Light on/off fade time

- Switch off the power, then switch on the power, repeat, then short press the Match key 3 times, the light on/off time will be set to 3s, the indicator light blink 3 times.
- Long press Match key 20s, restore factory default parameter, min light brightness is 5%, on/off fade time is 0.5s.

### APP operating instruction

- Please download the corresponding Tuya/Smart Life App according to your region.
- Press and hold the Match/Set key for 2s, and reset the ZigBee network.
- Press and hold the Match/Set key for 5s, or push twice the Match/Set key lastly, Clear the previous network connection, and enter connection mode the blue LED indicator fast flashes.
- If the Tuya APP network connection succeeds, the blue LED indicator will stop flashing, and in the Tuya APP, you can find the ZB3.0-DIM device.



Smart life APP



Tuya APP

### APP interface



### Switch interface

- Touch the on/ off key to turn on or off the light.
- The Timer can be set to automatically turn on or off lights for the next 24 hours

- The schedule can add multiple timers to turn on or off the lights according to different times.

### **Scene interface**

- The 1-4 scene is static color the inner brightness of these scenes can be editable.

### **S 1-F(WZ) Match RF remote control (two match ways)**

The end user can choose the suitable match/delete ways.

#### **Two options are offered for selection:**

- Use the controller's Match key

#### **Match:**

- Short press the match key, and immediately press the on/ off key (single zone remote) or zone key (multiple zone remote) on the remote.
- The LED indicator fast flashes a few times means the match is successful.

#### **Delete:**

- Press and hold the match key for 15s to delete all matches,
- The LED indicator fast flash a few times means all matched remotes were deleted

### **S1-F(WZ) works as a Zigbee-RF converter to match other RF switches or controller**

- Users can choose a suitable match/delete.

#### **Two options are offered for selection:**

- Use the controller's Match key Match
- Short press the match key of the controller, and immediately press the on/ off key on the Tuya APP.
- The LED indicator fast flashes a few times means the match is successful.

#### **Delete:**

- Press and hold the match key of the controller for 5s, The LED indicator fast flashes a few times This means the match was deleted.

#### **Use Power Restart Match:**

- Switch off the power, then switch on the power, and repeat.
- Immediately short press the on/ off key (single zone remote) or zone key (multiple zone remote) 3 times on the remote.

- The light blinks 3 times means the match is successful.

#### Delete:

- Switch off the power, then switch on the power, and repeat.
- Immediately short press on/ off key (single zone remote) or zone key (multiple zone remote) 5 times on the remote.
- The light blinks 5 times means all matched remotes were deleted.

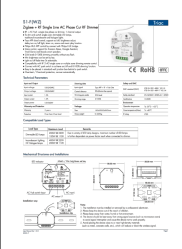
#### Use Power Restart Match:

- Switch off the power of the controller, then switch on power, repeat, and Immediately short-press press on/ off key 3 times on the Tuya APP.
- The light blinks 3 times means the match is successful.

#### Delete:

- Switch off the power of the controller, then switch on power, repeat,
- Immediately short-press the on/ off key 5 times on the Tuya APP.
- The light blinks 5 times means the match was deleted.

## Documents / Resources

	<p><a href="#">Zigbee S1-F-wz RF Single Line AC Phase Cut RF Dimmer</a> [pdf] User Manual</p> <p>S1-F-wz, S1-F-wz RF Single Line AC Phase Cut RF Dimmer, S1-F-wz RF, Single Line AC Phase Cut RF Dimmer, Phase Cut RF Dimmer, RF Dimmer</p>
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## References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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