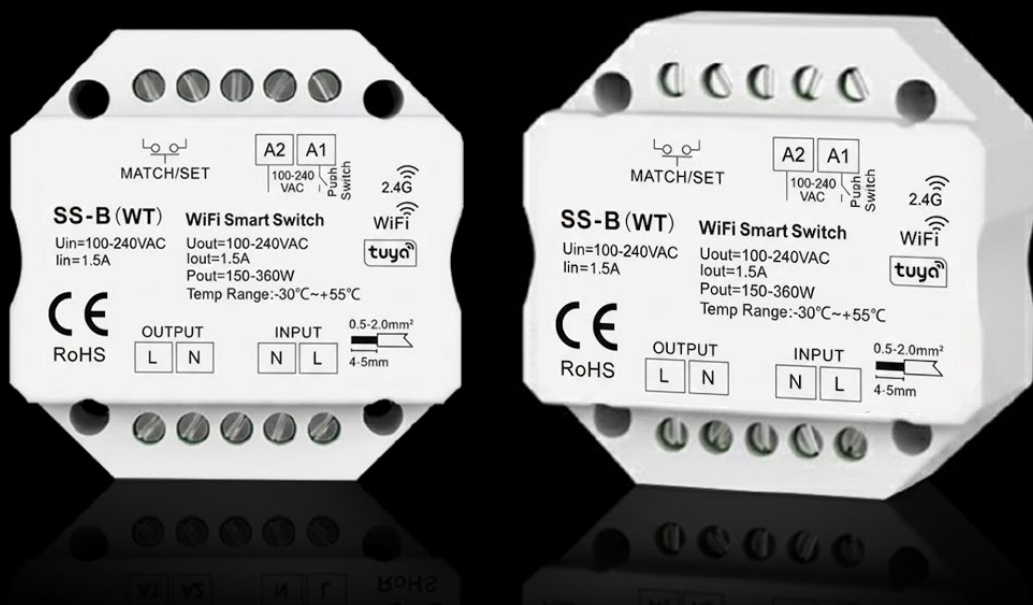




# Teralux Smart Push Switch User Manual

Tuya Wi-Fi + RF Smart Push Switch

CE RoHS



## Teralux Office

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# Teralux SS-B (WT)

## Tuya Wi-Fi + RF Smart Push Switch

The Smart Push Switch AC 1.5A Wi-Fi + RF is a compact on/off controller for LED, incandescent, and halogen lights, supporting Wi-Fi, RF, and push-switch operation. Through the Tuya app, it offers on/off, delay, and timer control, plus voice control via smart speakers. It can also act as a Wi-Fi-to-RF converter for synchronized control of multiple RF devices. Easy to install in standard wall boxes, it includes RF remote compatibility and built-in overheat and overload protection, making it suitable for a wide range of residential and commercial lighting setups.

### Features

WiFi + RF + AC push smart switch, without dimming function.

To switch single color LED lamps, traditional incandescent and halogen lights.

Tuya APP cloud control, support on/off, delay turn on/off light and timer run function.

Voice control, support amazon ECHO and TmallGenie smart speaker.

Compatibility with RF 2.4G dimming remote control.

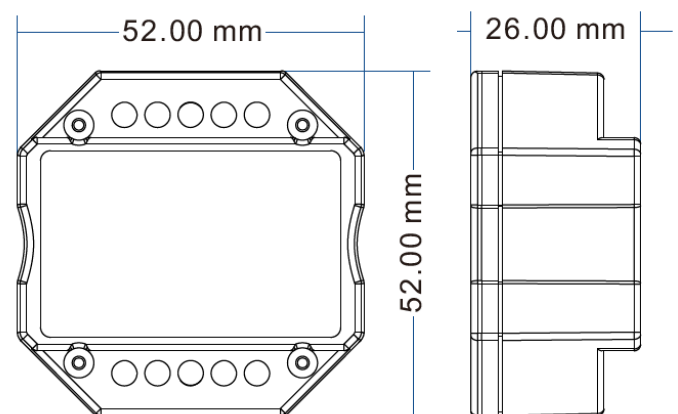
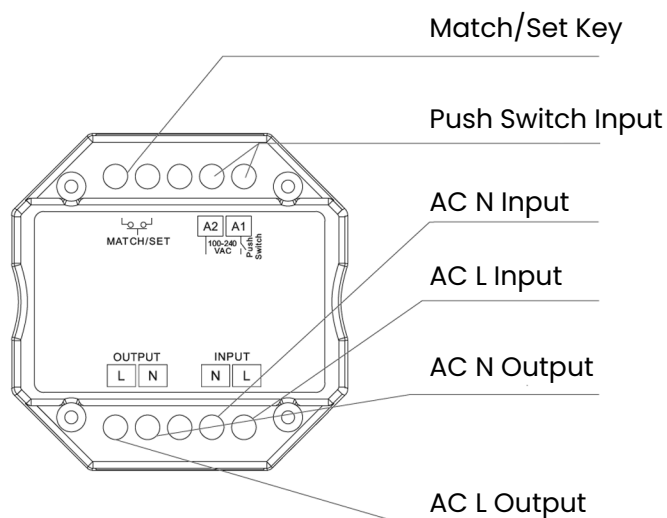
Each SS-B(WT) controller can also work as WiFi-RF converter, use Tuya APP to control one or more RF switch or controller synchronously.

Connect with external push switch optional.

Easy to be placed in standard wall junction box behind a push switch.

Over-heat / Over-load protection, recover automatically.

### Mechanical Structure



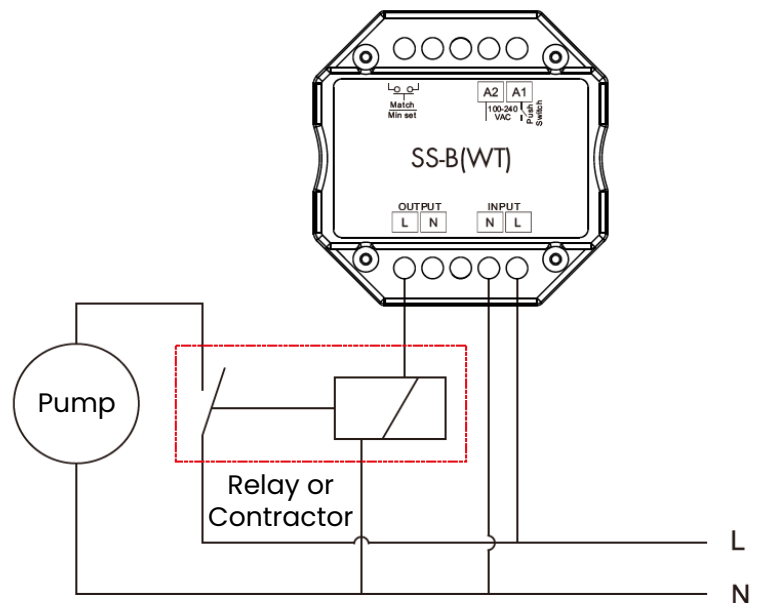
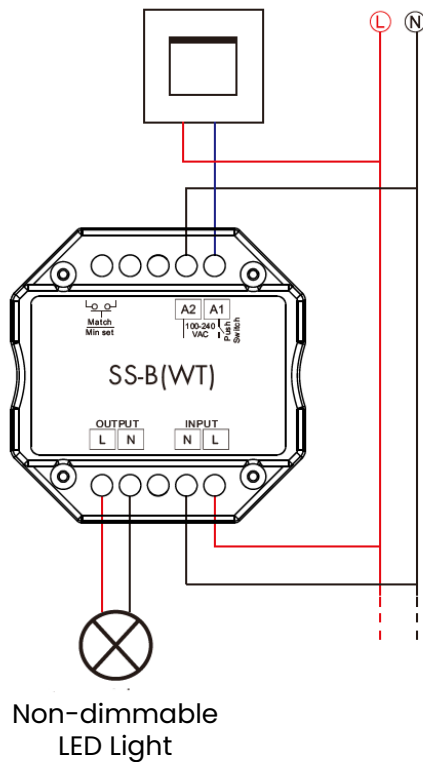
## Technical Parameter

### TRIAC to Zigbee Converter

Engineered for modern smart lighting, this converter delivers smooth, accurate brightness adjustment with dependable efficiency and compatibility with Zigbee systems.

Category	Item	Specification
Input and Output	Input voltage	AC100–240V
	Output voltage	AC100–240V
	Output current	Max 1.5A
	Output power	150–360W
	Input signal	WiFi + RF + Push Dim
	Control distance	30m (Barrier-free space)
Environment	Operation temperature	Ta: -30°C ~ +55°C
	Case temperature (Max.)	Tc: +85°C
	IP rating	IP20
Safety and EMC	Safety standard	EN 60669-1/-2
	EMC standard	EN IEC 55015 / EN IEC 61547 ; ETSI EN 301 489-1/-3/-17
	Radio Equipment	ETSI EN 300 440 ; ETSI EN 300 328
	Certification	30m (Barrier-free space)
Package	Size	L60 × W60 × H40mm
	Gross weight	0.051kg

# Wiring Diagram



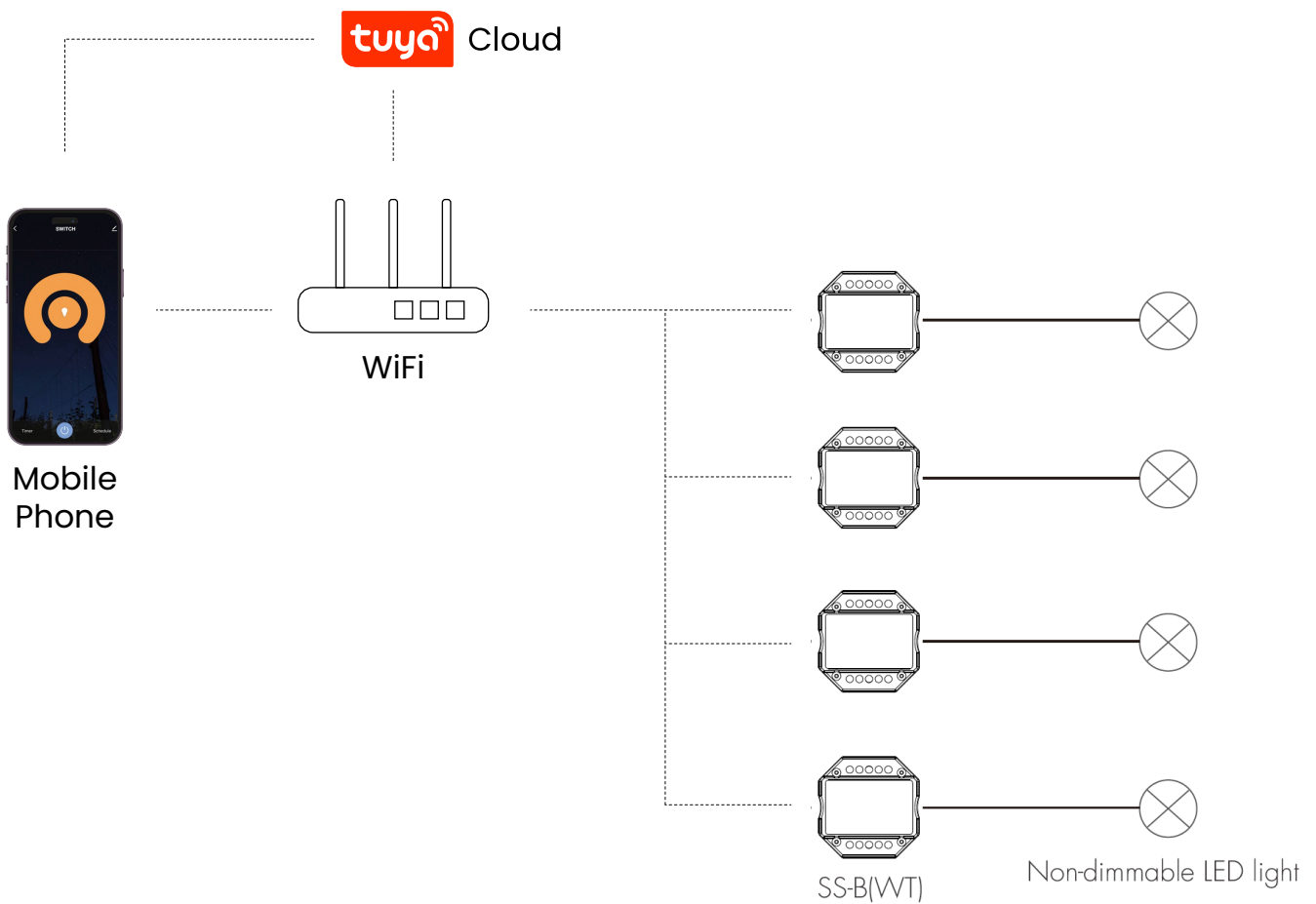
## NOTE:

When calculating the maximum number of load lamps or drivers, the input power or input current parameters of a single lamp or driver must be used, the output power parameters can not be used. In addition, the maximum surge current of the dimmer is 65A, the sum of surge current of multiple dimmable LED drivers should not exceed 2 times, otherwise, the product will be overloaded and damaged.

## Compatible Load Type

Load Type	Maximum Load	Remark
Dimmable LED	200 W @220 V   100 W @110 V	Depends on lamp design/PF
TRIAC LED Driver	200 W @220 V   100 W @110 V	200W ÷ driver rating; surge ≤2×.
Hologen Lamps	200 W @220 V   100 W @110 V	Standard load.

## System Wiring



## Tuya APP Network Connection and Operation

Press and hold Match/Set key for 5s, or push twice Match/Set key fastly, clear previous network connection, enter WiFi config mode, the blue LED indicator flash fastly.

If Tuya smart APP network connection succeed, the blue LED indicator will stop flash, and in Tuya smart APP, you can find SWITCH device.

When controlling the light with Tuya Smart/Smart Life APP, if the network connection is poor, you can control the light with Bluetooth connection within the Bluetooth control range. Note: The light can not be directly controlled by Bluetooth without WiFi configuration.



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