

WiFi & RF Smart AC Switch

Model No.: 30091 SS-B(WT)

Tuya APP cloud control/Voice control/RF AC Switch/Push on/off/Wall junction box mounting



CE RoHS EMC LVD

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, then 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.

Technical Parameters

Input and Output	
Input voltage	AC100-240V
Output voltage	AC100-240V
Output current	Max 1.5A
Output power	150-360W
Input signal	Tuya APP + RF + Push switch
RF Control distance	30m[Barrier-free space]

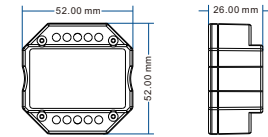
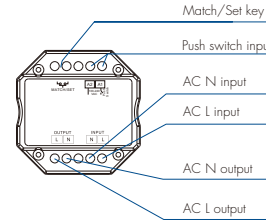
Environment	
Operation temperature	Ta: -30℃ ~ +55℃
Case temperature (Max.)	Tc: +85℃
IP rating	IP20

Safety and EMC	
EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Safety standard(LVD)	EN 62368-1:2020+A11:2020
Radio Equipment(RED)	ETSI EN 300 328 V2.2.2
Certification	CE,EMC,LVD,RED

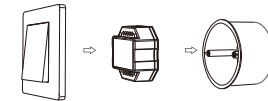
Warranty	
Warranty	5 years

Weight	
Net weight	0.041kg
Gross weight	0.051kg

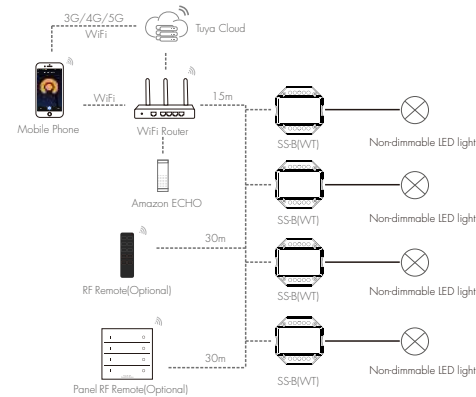
Mechanical Structures and Installations



Typical Wall Junction Box Mounting



System wiring

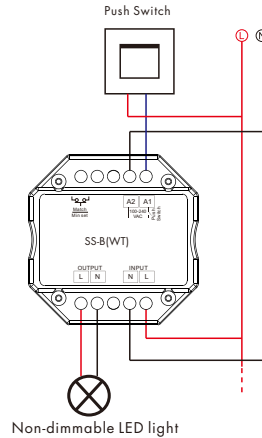


— Wired connection
 Wireless connection

Note:

1. The above distance is measured in spacious (no obstacle) environment, Please refer to the actual test distance before installation.
2. Please check if the WiFi router net in 2.4G band, the 5G band is not available, and do not hide your router network.
3. Please keep the distance between SS-B(WT) devices and router close, and check the WiFi signals.

Wiring diagram

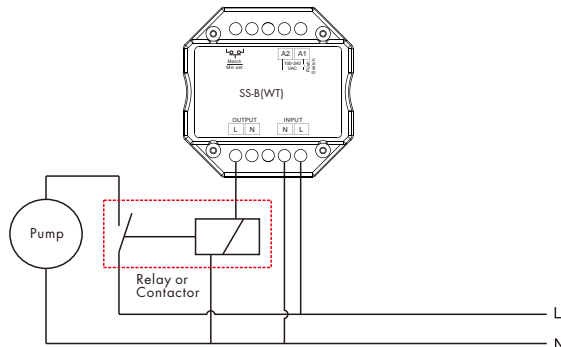


Push Switch:

Short press, turn on light.
Short press again, turn off light.

Note:

An additional AC relay or contactor is needed when total input current of the load (such as pump) is higher than 1.5A.



Tuya APP network connection and operation

Press and hold Match/Set key for 2s,
or push twice Match/Set key fastly,
Clear previous network connection, enter Smart config mode,
the blue LED indicator flash fastly.

Press and hold Match/Set key for 5s:
Clear previous network connection, enter AP config mode,
the blue LED indicator flash slowly.
If smart config failed, please try AP config.

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

Tuya APP interface operation:
Touch on/off key to turn on or off light.



SS-B(WT) match RF remote control (Optional)

End user can choose the suitable match/delete ways. Two options are offered for selection:

Use the SS-B(WT)'s Match key

Match:
Short press match key of SS-B(WT),
immediately press on/off key (single zone remote)
or zone key (multiple zone remote) on the remote.

Delete:
Press and hold match key of SS-B(WT) for 10s
to delete all match,
The light blinks 5 times means all matched remotes
were deleted.

Use Power Restart

Match:
Switch off the power of SS-B(WT), then switch on power,
repeat again,
Immediately short press on/off key (single zone remote)
or zone key (multiple zone remote) 3 times on the remote.
The light blinks 3 times means match is successful.

Delete:
Switch off the power of SS-B(WT), then switch on power,
repeat again,
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.

SS-B(WT) work as WiFi-RF converter to match other RF switch or controller

End user can choose the suitable match/delete ways. Two options are offered for selection:

Use the controller's Match key

Match:
Short press match key of the controller,
immediately press on/off key on the Tuya APP.
The LED indicator fast flash a few times
means match is successful.

Delete:
Press and hold match key of the controller for 5s,
The LED indicator fast flash a few times
means match was deleted.

Use Power Restart

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

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