LDT-WIFI-RF-AC-SW-1A5

Compact Wi-Fi, RF & Push AC Switch

A compact app, RF and push-switch module for on/off AC load control. Use it where switching is required rather than brightness adjustment.

Model specifications

Supply voltage	100-240 VAC
Output type	1-channel AC on/off switching; no dimming
Maximum output current	1.5 A
Nominal output power	150-360 W; load/current limits apply
Control inputs	Wi-Fi + RF 2.4 GHz + AC momentary switch
Published RF distance	Up to 30 m, unobstructed
Protection	Overheat and overload; automatic recovery
Operating temperature	-30 to +55 °C
Maximum case temperature	+85 °C
IP rating	IP20
Body dimensions	52 x 52 x 26 mm

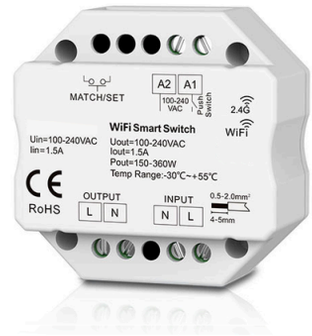
On/off only. This product has no dimming function. Do not confuse its 1.5 A rating with the separate 15 A relay model. Observe load type, starting surge and the external contactor requirements in the reference.

The following technical-reference pages retain the complete diagrams, dimensions, settings and installation instructions. Select the lighting variant stated on this cover; family diagrams may also illustrate other variants.

Wi-Fi + RF

WiFi & RF Smart AC Switch

- WiFi + RF + AC push smart switch, without dimming function.
- To switch single color LED lamps, traditional incandescent and halogen lights.
- **Control app cloud control, support on/off, delay turn on/off light and timer run function.**
- Voice control, support for Amazon Alexa, Google Assistant, Tmall Genie and Xiaodu smart speakers.
- Compatibility with RF 2.4G dimming remote control.
- **Each AC switch controller can also work as WiFi-RF converter, then use Control 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.



CE RoHS

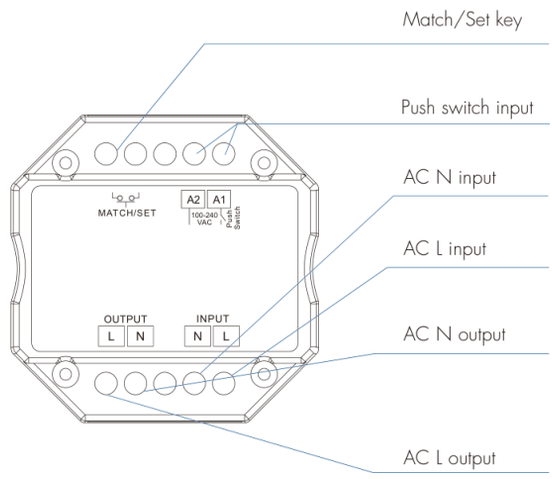
Technical Parameters

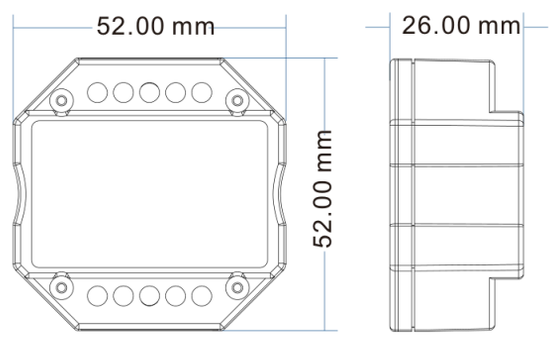
Input and Output	
Input voltage	AC100-240V
Output voltage	AC100-240V
Output current	Max 1.5A
Output power	150-360W
Input signal	WiFi + RF + Push Dim
Control distance	30m(Barrier-free space)

Environment	
Operation temperature	Ta: -30°C ~ +55°C
Case temperature (Max.)	Tc: +85°C
IP rating	IP20
Warranty and Protection	
Warranty	5 years
Protection	Over-heat / Over-load / recover automatically

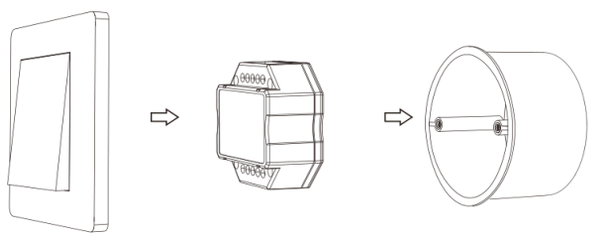
Safety and EMC	
Safety standard	EN 60669-1/-2
EMC standard	EN IEC 55015/EN IEC 61547 ETSI EN 301 489-1/-3/-17
Radio Equipment	ETSI EN 300 440 ETSI EN 300 328
Certification	CE
Package	
Size	L60 x W60 x H40mm
Gross weight	0.051kg

Mechanical Structures and Installations

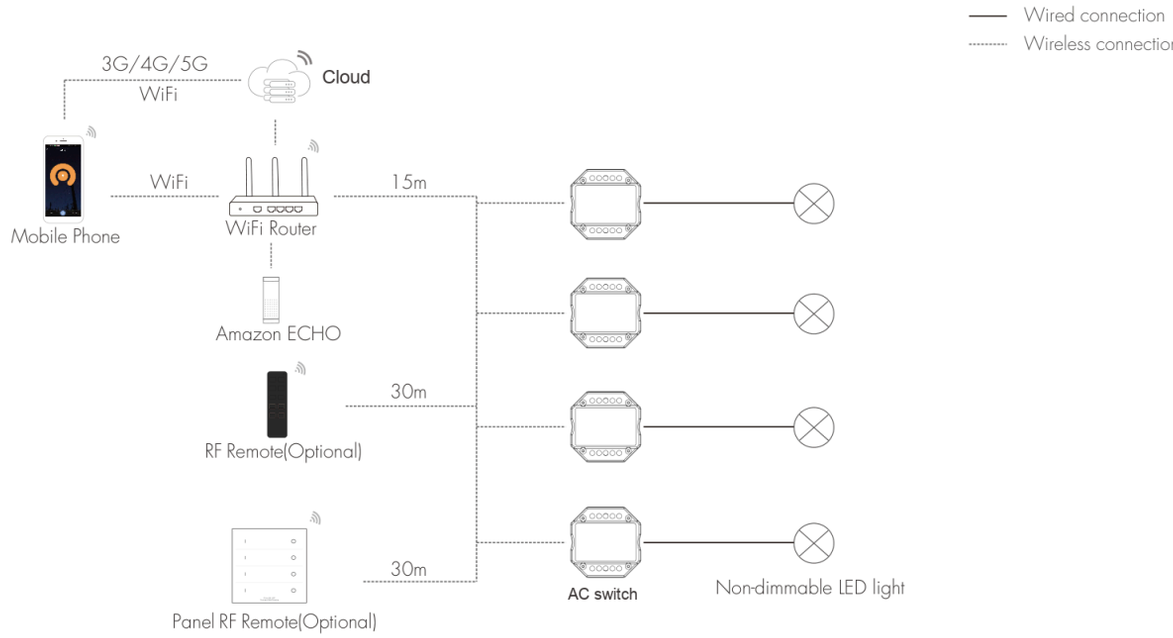




Typical Wall Junction Box Mounting



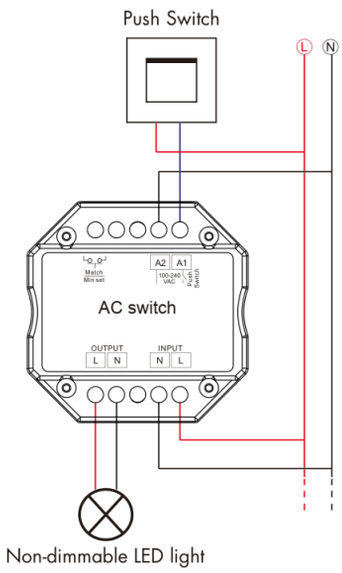
System Wiring



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 AC switch devices and router close, and check the WiFi signals.

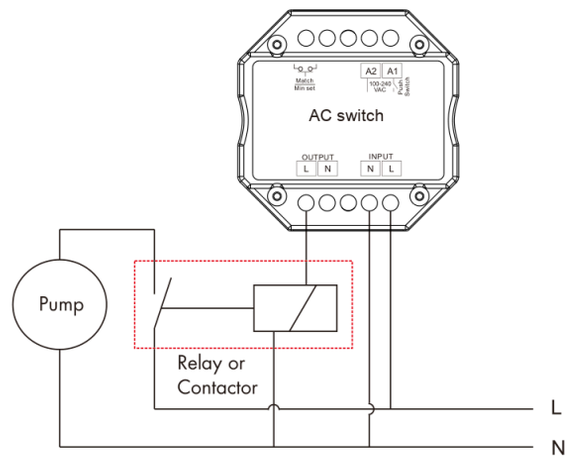
Wiring Diagram



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.

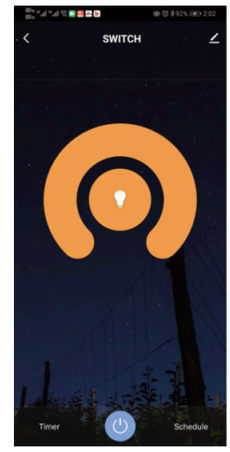
Control app Network Connection and Operation

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 Control app network connection succeed, the blue LED indicator will stop flash, and in Control app, you can find SWITCH device.

When controlling the light with 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.

Control app interface operation: Touch on/off key to turn on or off light.



AC switch Match RF Remote Control (Optional)

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

Use the AC switch's Match key

Match:
Short press match key of AC switch,
immediately press on/off key (single zone remote) or zone key (multiple zone remote) on the remote.

Delete:
Press and hold match key of AC switch 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 AC switch, 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 AC switch, 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.

AC switch 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 Control 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 Control 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 Control app.
The light blinks 5 times means match was deleted.