V2-S(WT)

WiFi

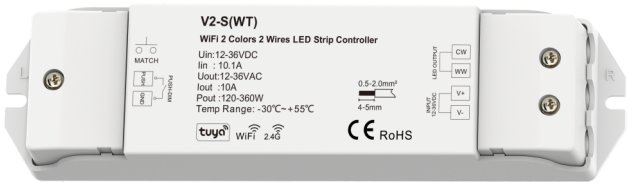## WiFi 2 Colors 2 Wires LED Strip Controller

- Only apply to 2-wires WW+CW LED strip.
- Tuya smart APP cloud control, support on/off, color temperature and brightness adjust, delay turn on/off light, timer run, scene and music play function.
- Voice control, support for Amazon Alexa, Google Assistant, Tmall Genie and Xiaodu voice assistant.
- Match with RF 2.4G remote control optional.
- Each V2-S(WT) controller can also work as WiFi-RF converter, then use Tuya smart APP to control one or more RF CCT LED controller synchronously.
- Connect with external push switch to achieve on/off and 0-100% dimming function.
- Switch 3 levels color temperature(WW, NW, CW) in consecutive power-on sequence.
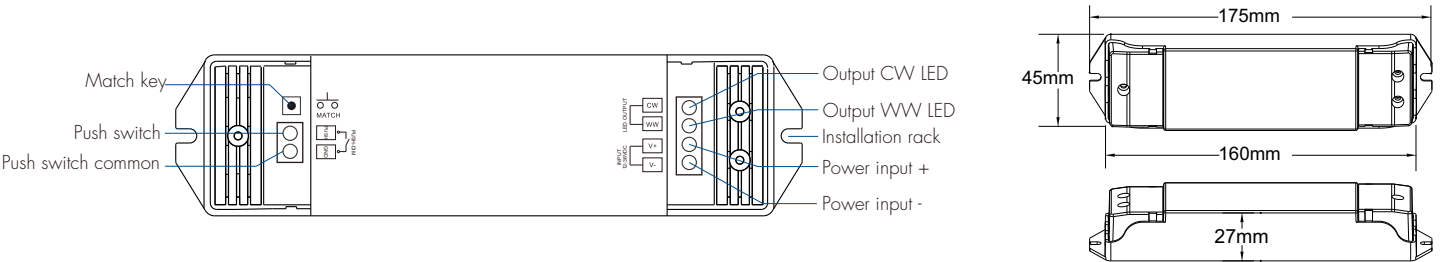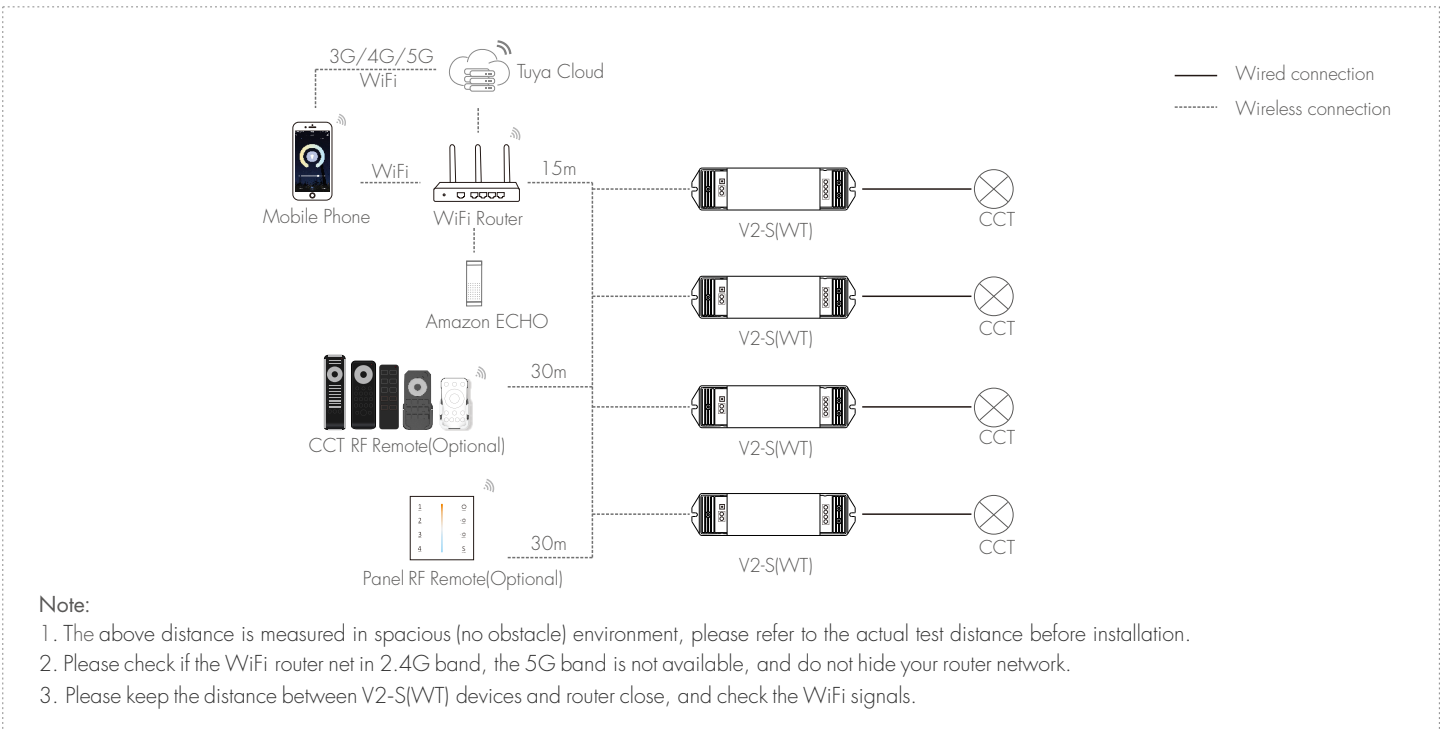- Fade in and out effect selectable.


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V2-S(WT)
WiFi 2 Colors 2 Wires LED Strip Controller
Uin:12-36VDC
Iin : 10.1A
Uout:12-36VAC
Iout :10A
Pout :120-360W
Temp Range: -30℃~+55℃
MATCH        0.5-2.0mm²        CW
                               WW
             4-5mm             V+
                               V-
tuya  WiFi  2.4G       CE RoHS
```

CE RoHS

Technical Parameters

Input and Output

Input and Output	
Input voltage	12-36VDC
Input current	10.1A
Output voltage	12-36VAC
Output current	10A
Output power	120-360W
Output type	Constant voltage

Warranty and Protection

Warranty and Protection	
Warranty	5 years
Protection	Reverse Polarity

Dimming data

Dimming data	
Input signal	WiFi + RF + Push Dim
Control distance	30m(Barrier-free space)
Dimming gray scale	256 levels
Dimming range	0-100%
Dimming curve	Linear
PWM Frequency	2000Hz

Environment

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

Safety and EMC

Safety and EMC	
Safety standard	EN 61347-1/-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

Package	
Size	L178 x W50 x H38mm
Gross weight	0.136kg

Mechanical Structures and Installations

- Match key
- Push switch
- Push switch common
- Output CW LED
- Output WW LED
- Installation rack
- Power input +
- Power input -

175mm
45mm
160mm
27mm

System Wiring

- 3G/4G/5G WiFi
- Tuya Cloud
- Mobile Phone
- WiFi
- WiFi Router
- 15m
- Amazon ECHO
- CCT RF Remote(Optional)
- 30m
- Panel RF Remote(Optional)
- 30m
- V2-S(WT)
- CCT
- 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 V2-S(WT) devices and router close, and check the WiFi signals.

Wiring Diagram

Push Switch

AC100-240V

Power Supply 12-36VDC Constant Voltage

2-wires Dual color LED strip

CCT Remote

Note: 1. Switch off the power, then switch on power, repeat again.
Immediately short press match key 3 times, the light on/off time will change between 3s and 0.5s.
2. Continuous power off and on operation will change 3 levels color temperature (WW, NW and CW) in sequence.

Push Dim

Click	ON/OFF
Double Click	Turn on at 100% or 10%(night light) and vice-versa
Long press(>1s) from OFF	Color temperature UP/DOWN (turn off and turn on to return dimming)
Long press(>1s) from ON	Dimming UP/DOWN

## Tuya Smart APP Network Connection

Press and hold Match key for 5s, or push twice Match key fastly:
Clear previous network connection, enter WiFi config mode,
the blue LED indicator flash fastly, the output LED will flash 10 times.

Repeat power on and off for 5 consecutive times, also clear previous
network connection, enter WiFi config mode, the output LED will flash 10 times.

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

Tuya Smart APP Interface
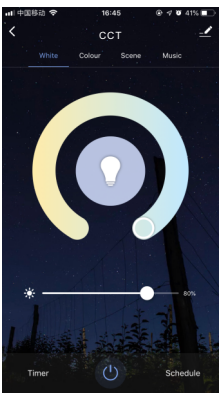
Touch color wheel to adjust color temperature.
Touch brightness slide to adjust brightness.

V2-S(WT) Match Remote Control (Optional)

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

Use the V2-S(WT)'s Match key

Match:
Short press match key of V2-S(WT),
immediately press on/off key (single zone remote)
or zone key (multiple zone remote) on the remote.
The LED indicator fast flash a few times means match is successful.

Delete:
Press and hold match key of V2-S(WT) for 10s to delete all match,
The LED indicator fast flash a few times
means all matched remotes were deleted.

Use Power Restart

Match:
Switch off the power of V2-S(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 V2-S(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.

V2-S(WT) Work as WiFi-RF Converter to Match RF CCT LED 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 smart 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 smart 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 smart APP.
The light blinks 5 times means match was deleted.