



tuya V2-S WT WiFi 2 Color 2 Wires LED Strip Controller Instruction Manual

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Feature

- **Only apply to 2-wires WW+CW LED strip.**
- Tuya 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 amazon ECHO and ImallGenie smart speaker.
- Match with RF 2.46 remote control optional.

- Each V2-S(VWI) controller can also work as a WikRF converter, then use luya APP to control one or more RE CCI LED Controller synchronously. Connect with external
- push switch to achieve on/off and C-100% dimming function. Switch 3 levels of color temperature(WW, NW, Cw) in consecutive power-on sequences. Fade in and out effect selectable.

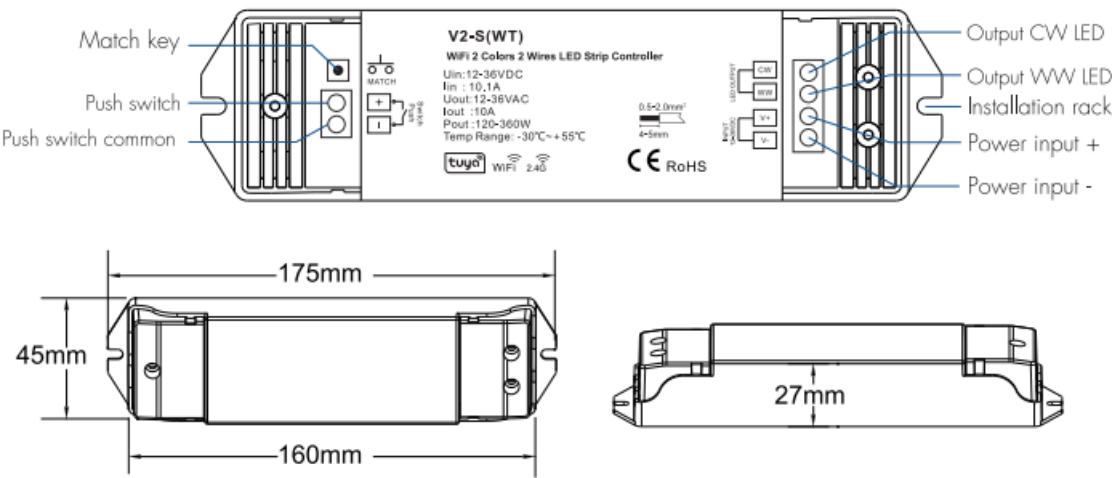
Technical Parameters

Input and Output		Dimming data	
Input voltage	12-36VDC	Input signal	Tuya APP + RF + Push Dim
Input current	10.1A	Control distance	30m(Barrier-free space)
Output voltage	12-36VDC	Dimming gray scale	256 levels
Output current	10A	Dimming range	0-100%
Output power	120-360W	Dimming curve	Linear
Output type	Constant voltage	PWM Frequency	2000Hz

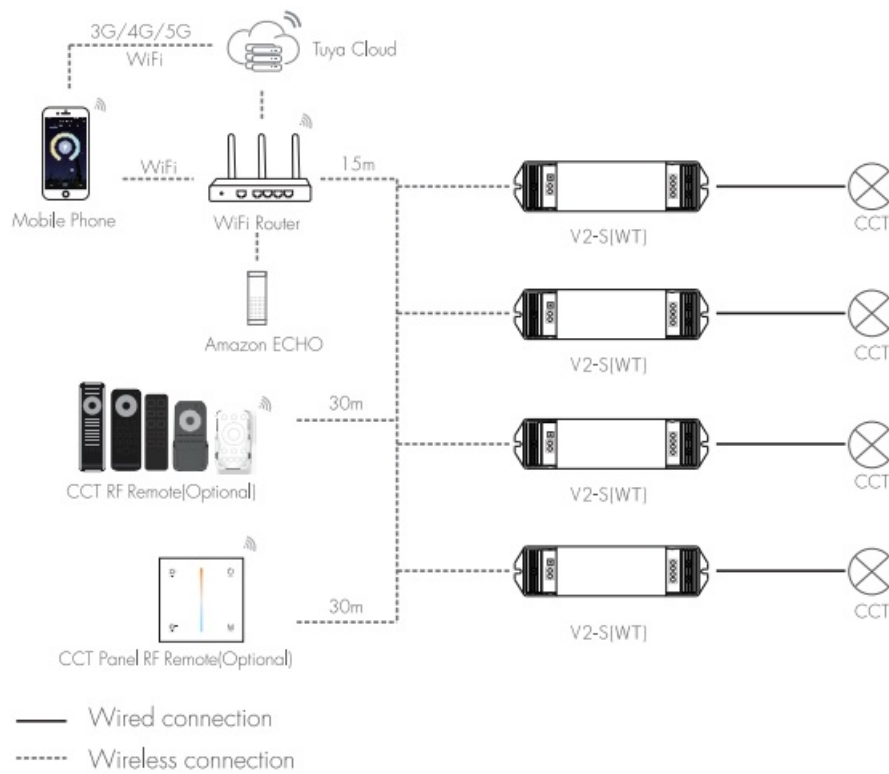
Environment		Safety and EMC	
Operation temperature	Ta: -30℃ ~ +55℃	EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Case temperature (Max.)	Tc: +85℃	Safety standard(LVD)	EN 62368-1:2020+A11:2020
IP rating	IP20	Radio Equipment(RED)	ETSI EN 300 328 V2.2.2

Warranty and Protection		Certification	
Warranty	5 years	CE, EMC, LVD, RED	
Protection	Reverse Polarity		

Mechanical Structures and Installations



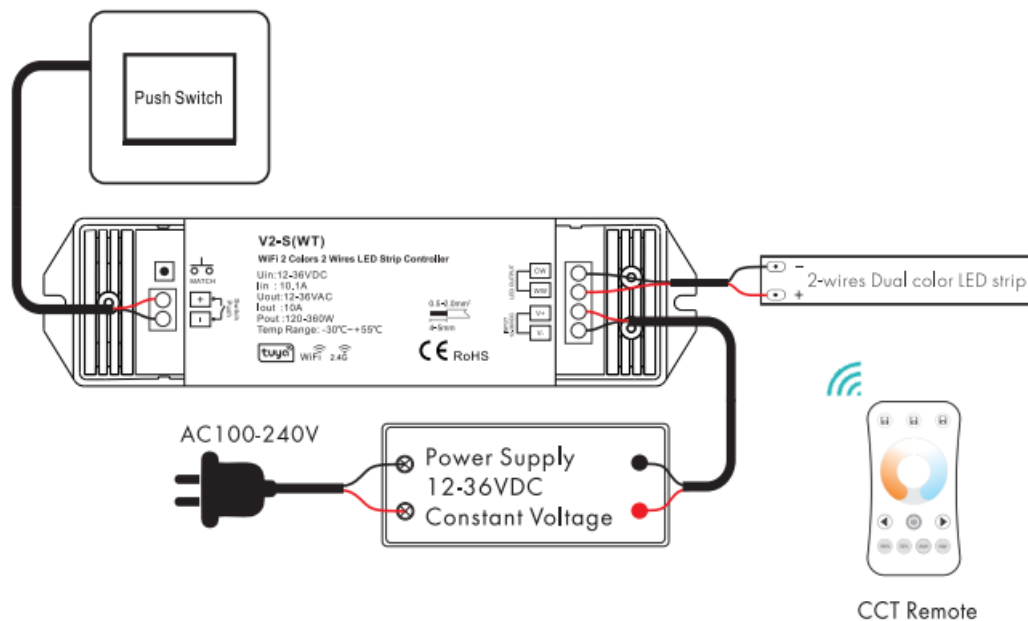
System wiring



Note

1. The above distance is measured in a spacious (no obstacle) environment, Please refer to the actual test distance before installation.
2. 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 (W) devices and router close, and check the WiFi signals.

Wiring Diagram



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 APP network connection

Press and hold the Match key for 2s, or push twice the Match key tasty:

Clear the previous network connection, and enter Smart config mode, the blue LED indicator flashes fastly, and the output LED will lash 10 times.

Press and hold the Match key for 5s:

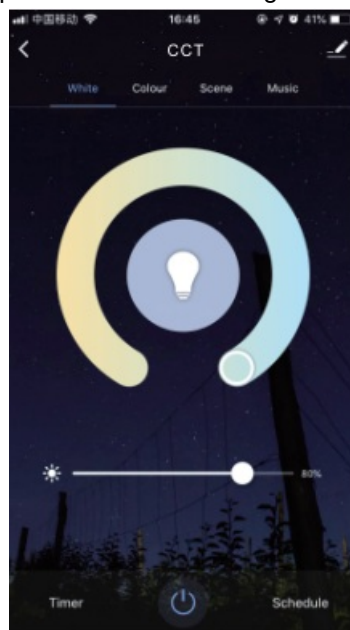
Clear the previous network connection, enter AP config mode, and the blue LED indicator trash slowly. smart config tailed, please try AP config.

Repeat power on and oft or consecutive times, also clear the previous network connection, and enter Smart config mode, and the output LED will lash 10 times.

IF the Tuya APP network connection succeeds, the blue LED indicator will stop and flash, and in Tuya APP, you can find the CCT device.

Tuya APP interface

Touch the color wheel to adjust color temperature Touch the brightness slide to adjust brightness.



V2-S(WT) match remote control (Optional)

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

Use the V2-5(WT)'s Match key

Match:

Short press the match key of V2-S(WT), and immediately press the on/off key (single zone remote or zone key (multiple zone remote) on the remote.

The LED indicator fast flash a few times means the match is successful.

Delete:

Press and hold the match key of V2-S(WT) for 10s to delete all matches,

The LED indicator fast trash a few times means all matched remotes were deleted.

Use Power Restart

Match:

Switch off the power of V2-S(WT), then switch on the power, and repeat again.

An 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 the match is successful.

Delete:

Switch of the power of V2-S[WT), then switches on power, and repeat again.

An 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) works as a WiFi-RF converter to match the RF CCT LED controller

The end user can choose suitable match/delete ways. 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 flash a few times means the match is successful.

Delete:

Press and hold the match key of the controller for 5s,

The LED indicator that flashes a few times means the match was deleted.

Use Power Restart

Match:

Switch off the power of the controller, then switch on power and repeat again.

An immediately short press on/off key 3 times on the Tuya APP.

The light blinks 3 times means the match is successful.

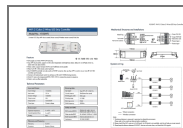
Delete:

Switch out the power to the controller, then switch on the power, and repeat again.

An immediately short press on/off key 5 times on the Tuya APP.

The light blinks 5 times means the match was deleted.

Documents / Resources



[tuya V2-S WT WiFi 2 Color 2 Wires LED Strip Controller](#) [pdf] Instruction Manual
V2-S WT WiFi 2 Color 2 Wires LED Strip Controller, V2-S WT, WiFi 2 Color 2 Wires LED Strip Controller, WiFi 2 Color 2 Wires Strip Controller, LED Strip Controller, LED Controller