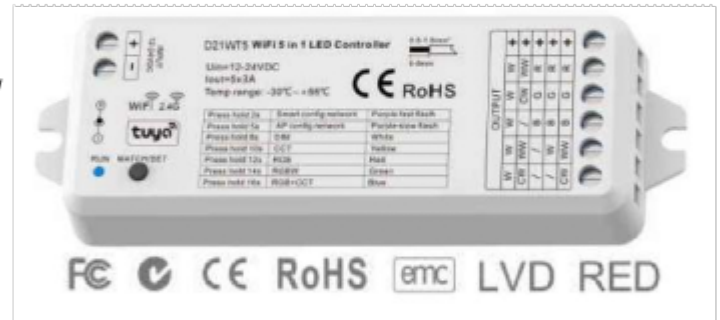


## Features

- 5 in 1 functionality, used for controlling RGB, RGBW, RGB+CCT, or single-colour LED strips.
- DC power socket input and 5 channel constant voltage output.
- Companion Tuya App allows for cloud control, RGB colour/colour temperature/brightness adjustment, timer/delay and music functions.
- Voice control support for Amazon Echo and Google Home.
- Optional 2.4G RF remote control.
- Each controller can also work as a WiFi-RF converter, allowing the Tuya App to control one or more RF LED controllers simultaneously.



## Technical Parameters

Input and Output	
Input Voltage	12-24VDC
Input Current	15.5A
Output Voltage	5 x (12-24) VDC
Output Current	5CH, 3A/CH
Output Power	5 x (36-72)W
Output Type	Constant Voltage

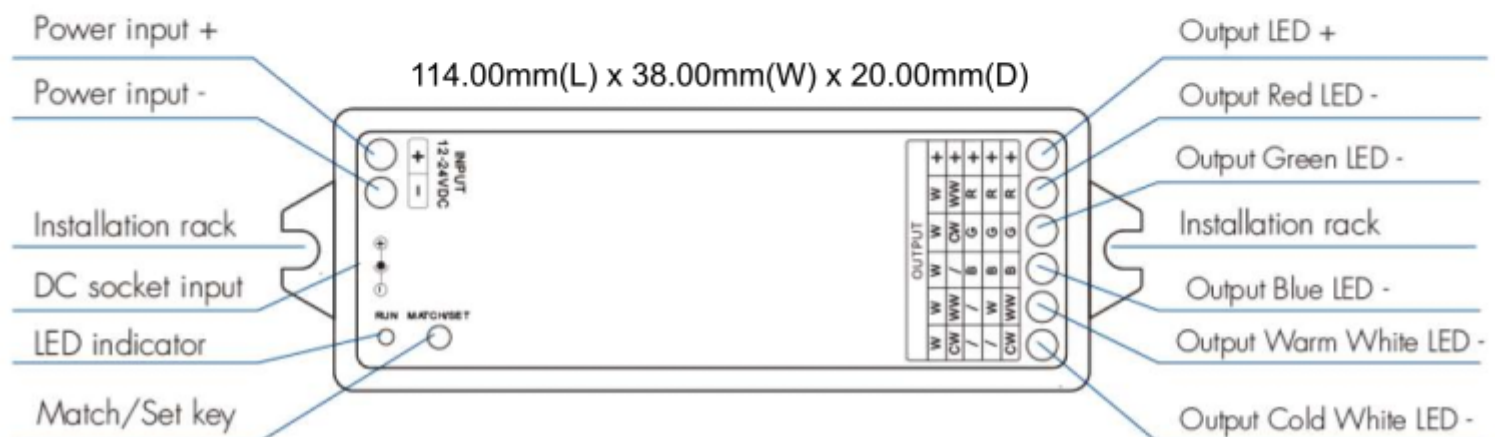
Dimming Data	
Input Signal	Tuya APP + RF 2.4GHz
Control Distance	30m (Barrier-free space)
Dimming Gray Scale	4096 (2 <sup>12</sup> ) levels
Dimming Range	0-100%
Dimming Curve	Logarithmic
PWM Frequency	500Hz (default)

Environment	
Operation Temperature	Ta: -30°C~ +55°C
Case Temperature (Max.)	Tc: + 85°C
IP Rating	IP20

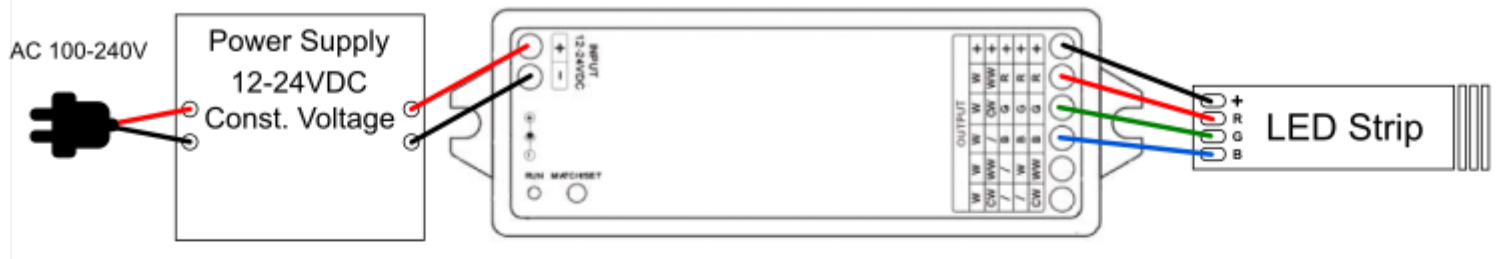
Safety and EMC	
EMC Standard (EMC)	EN55015,EN61547
Safety Standard (LVD)	EN61347,EN62493
Radio Equipment (RED)	EN300 440,EN50663,EN301 489
Certification (CE-RED)	Safety + EMC + RF

Warranty and Protection	
Warranty	1 year
Protection	Reverse Polarity / Over-heat

## Mechanical Structures



## Wiring Diagram



## Changing the Connection Mode

Before pairing, ensure the LED indicator matches the connected LED type. You can press and hold the learning button on the D21WT5 to change the LED type.

Press Duration	Control Mode	LED Indicator
Press & hold 2 seconds	Smart Config Network	Purple Flash (Fast)
Press & hold 5 seconds	AP Config Network	Purple Flash (Slow)
Press & hold 8 seconds	DIM	White
Press & hold 10 seconds	CCT	Yellow
Press & hold 12 seconds	RGB	Red
Press & hold 14 seconds	RGBW	Green
Press & hold 16 seconds	RGB+CCT	Blue

## App Downloads



## RF Controller Pairing



1. Ensure your devices learning mode matches the type of connected LED's, then click the learning button on the D21WT5 controller.
2. On the remote, press the corresponding zone key (eg. zone 1) and make an adjustment on the colour wheel.
3. The LED indicator on the controller will flash, indicating a successful pairing. The system is now ready!

To delete a pairing, press and hold the learning button on the D21WT5 for 20 seconds. The LED indicator will then flash a few times, indicating the device pairing has been deleted.

## Tuya App Pairing



1. Press and hold the learning button on the D21WT5 for 2 seconds, until the LED indicator flashes purple.
2. Ensure your smartphone has Bluetooth enabled and is connected to your WiFi network. Open the Tuya app.
3. Press add device. It should discover and display the device in app. Press add.
4. Enter your WiFi network information and press next. The app will then connect to the controller.
5. Once connected, press done, then press the power button in-app to finish the pairing. The system is now ready!

To delete a pairing, press and hold on the device in the Tuya app and then select Remove Device.