




ZIGBEE L1(WT) 0/1-10V WiFi + RF + Push Dimmer

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ZIGBEE L1(WT) 0/1-10V WiFi + RF + Push



Model No.: L1(WT)

Tuya APP cloud control/Voice control/RF dimming/Push Dim/0-10V or 1-10V/Wall junction box mounting

Features

- WiFi + RF + AC push 0/1-10V dimmer, 1 channel output.
- Output 1 channel 0/1-10V signal, connect with 0/1-10V dimmable driver.
- Tuya APP cloud control, support on/off, brightness adjust, delay turn on/off light, timer run, scene function.
- Voice control, support amazon ECHO and TmallGenie smart speaker.
- 0-10V or 1-10V output selectable by DIP switch.
- 256 levels 0-100% dimming smoothly without any flash.
- Compatibility with RF 2.4G single zone or multiple zones dimming remote control.
- Each L1(WT) controller can also work as a WiFi-RF converter, then use Tuya APP to control one or more RF dimming LED controllers or drivers synchronously.
- Connect with external push switch to achieve on/off and 0-100% dimming function.
- Light on/off fade time 3s selectable.
- Easy to be placed in a standard wall junction box behind a push switch.

Technical Parameters

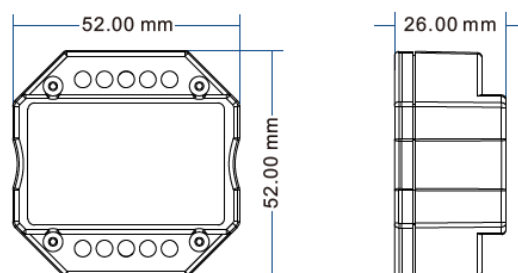
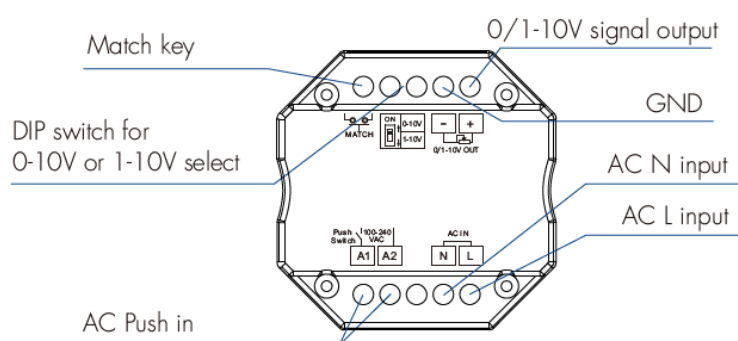
Input and Output	
Input voltage	AC100-240V
Output signal	0/1-10V (20mA)

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

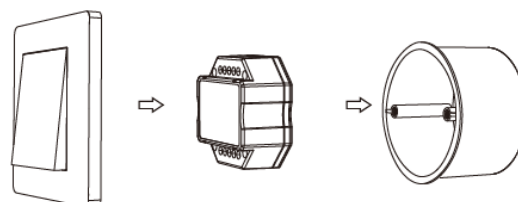
Dimming data	
Input signal	Tuya APP + RF + Push Dim
RF Control distance	30m(Barrier-free space)
Dimming level	256 levels
Dimming range	0 -100%

Environment	
Operation temperature	Ta: -30 OC ~ +55 OC
Case temperature (Max.)	T c: +65OC
IP rating	IP20

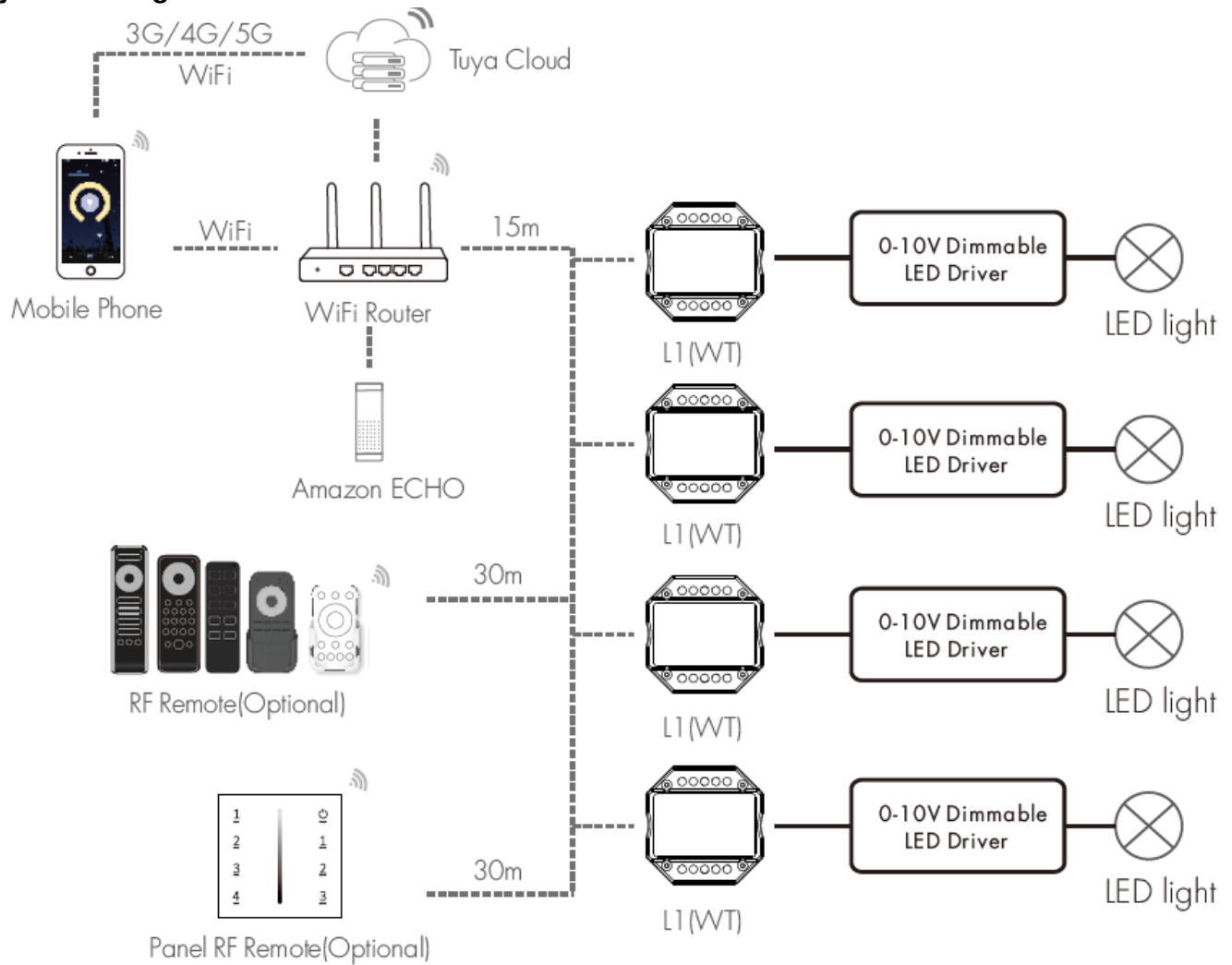
Mechanical Structures and Installations



Typical Wall Junction Box Mounting



System wiring

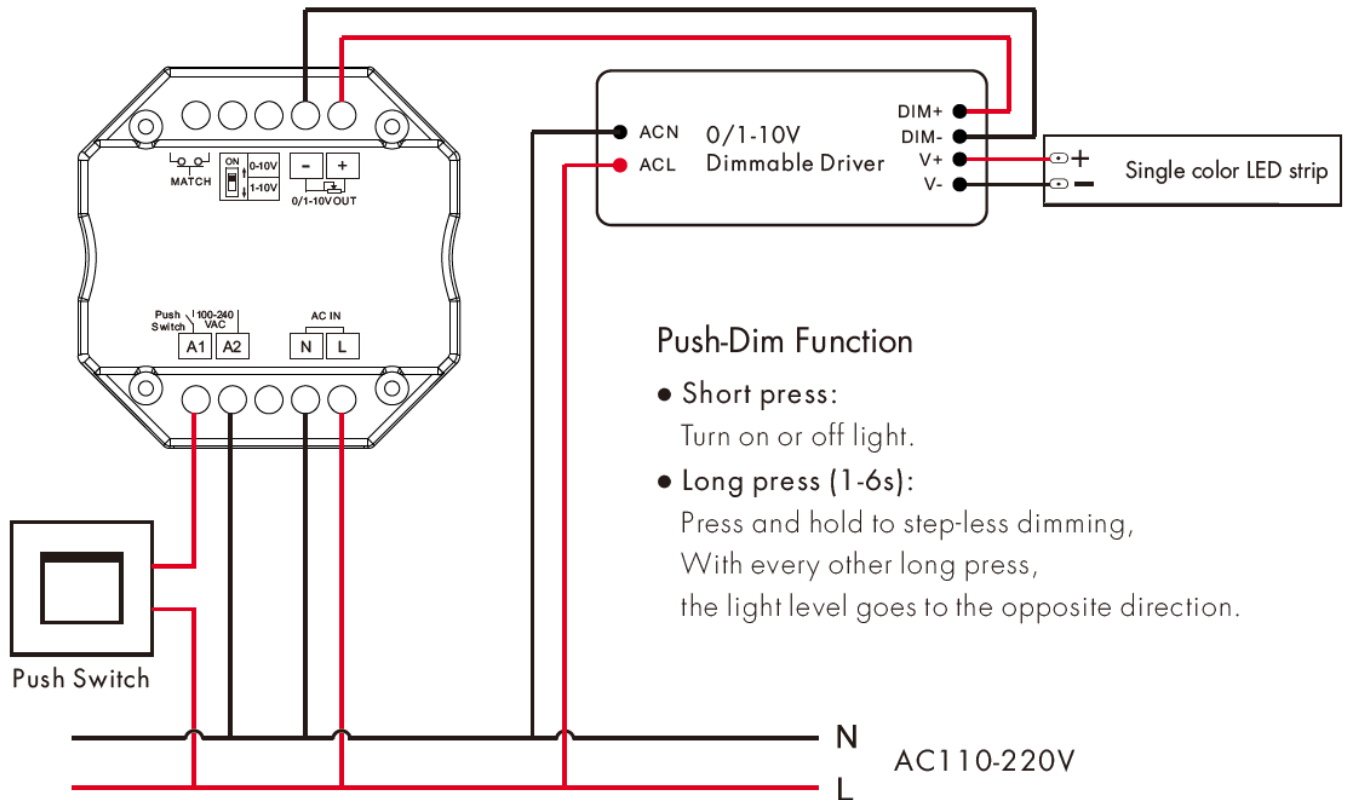


- Wired connection
- Wireless connection

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 is in the 2.4G band, the 5G band is not available, and do not hide your router network.
3. Please keep the distance between L1 (WT) devices and router close, and check the Wifi signals.

Wiring diagram



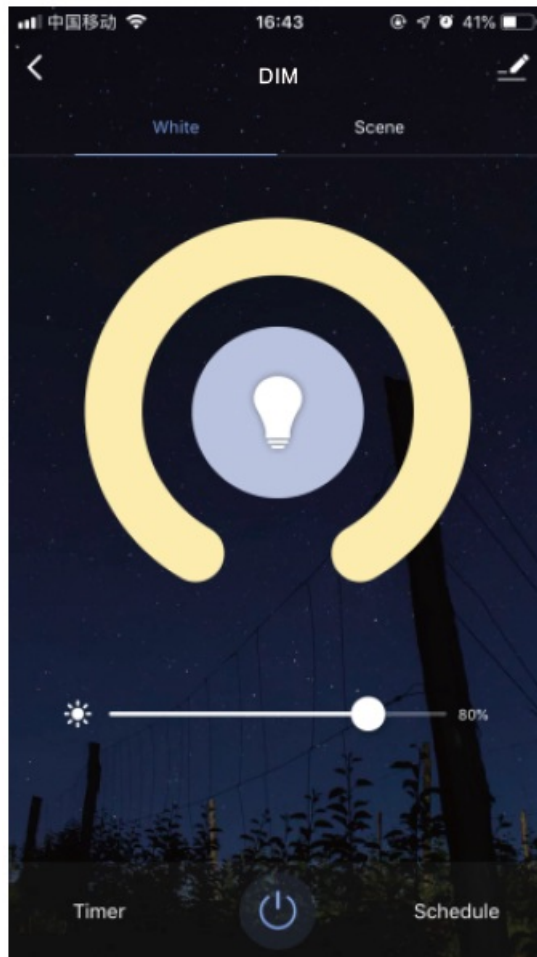
Note:

1. We recommend the number of LED drivers connected to 0/1-10V dimmers does not exceed 50 pieces, The maximum length of the wires from the dimmer to the LED driver should be no more than 50 meters.
2. Switch off the power, then switch on the power, and repeat again. Immediately short press match key 3 times, the light on/off time will change between 3s and 0.5s.

Tuya APP network connection and operation

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

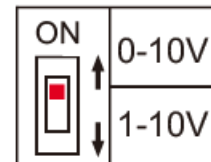
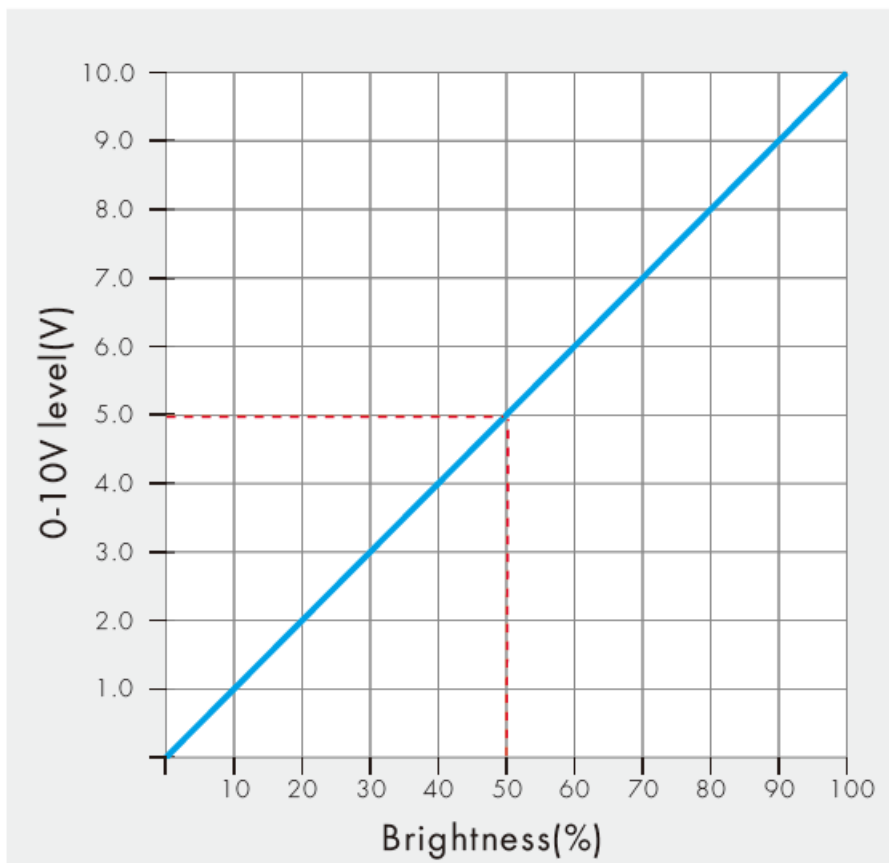
Press and hold the Match/Set key for 5s: Clear the previous network connection, enter AP config mode, and the blue LED indicator fast slow. If the smart config failed, please try AP config. If Tuya APP network connection succeeds, the blue LED indicator will stop flashing, and in Tuya APP, you can find the DIM device. Tuya APP interface operation: Touch the brightness slide to adjust brightness.



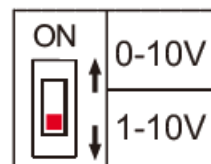
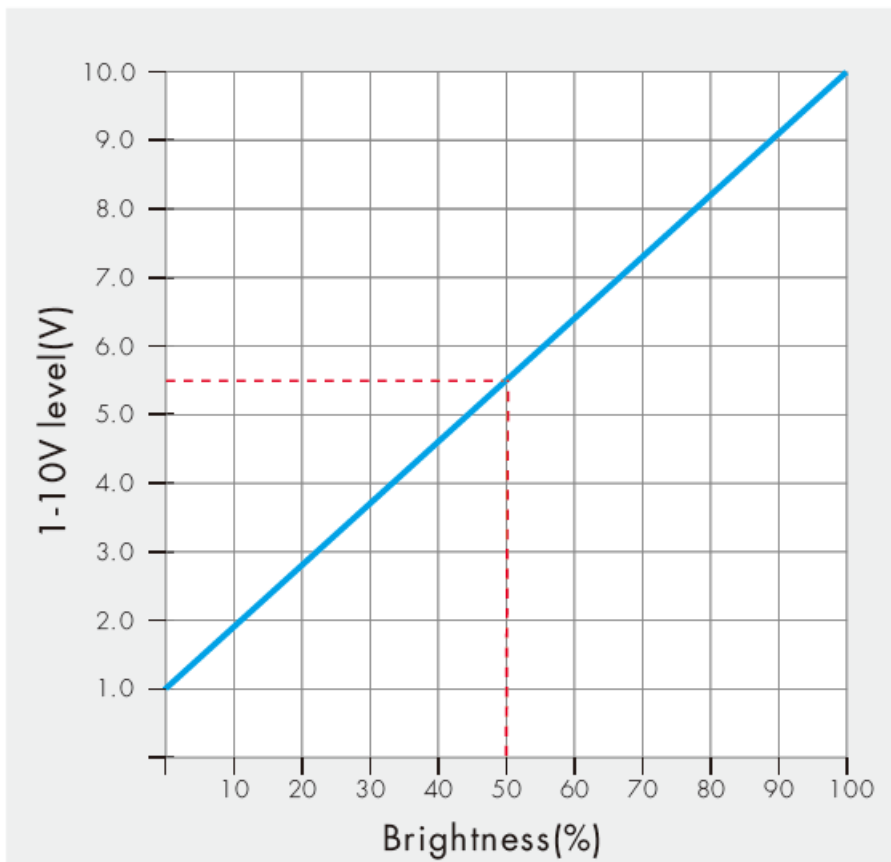
0-10V or 1-10V dimming setting

Select 0-10V dimmer or 1-10V dimmer according to the dimmable LED driver.

0-10V Dimmer



1-10V Dimmer



L1(WT) matches RF remote control (Optional)

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

Use the L1(WT)'s Match key

Match:

Short press the match key of L1(WT), and immediately press on/off key (single zone remote) or zone key (multiple zones remote) on the remote.

Delete:

Press and hold the match key of L1(WT) for 10s to delete all matches, The light blinks 5 times means all matched remotes were deleted.

Use Power Restart

Match:

Switch off the power of L1(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 off the power of L1(WT), then switch on the power, and repeat again. An immediately short press on/off key (single zone remote) or zone key (multiple zones remote) 5 times on the remote. The light blinks 5 times means all matched remotes were deleted.

L1(WT) work as a WiFi-RF converter to match other RF dimming LED controller or driver

The end user can choose the 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 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 fast flash a few times means the match was deleted.

Use Power Restart

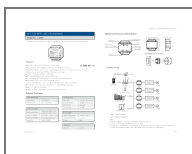
Match:

Switch off the power of the controller, then switch on the 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 off the power of 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



[ZIGBEE L1\(WT\) 0/1-10V WiFi + RF + Push Dimmer](#) [pdf]

L1 WT, RF Push Dimmer, Push Dimmer, Dimmer

