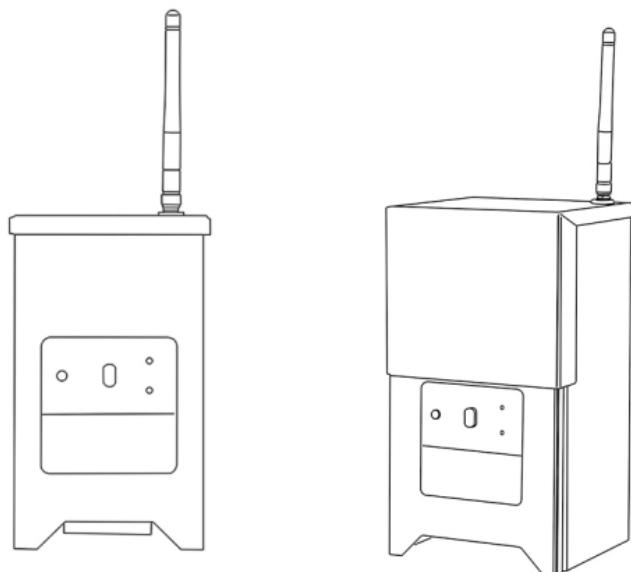


Brilliantool

Smart Low Voltage Transformer (wifi)

Instruction Manual



Suitable SKU:

MTM0150-15-WIFI-1-SS

MTM0300-15-WIFI-1-SS

Please pay attention to the warning signs
Read the instructions with caution before operating and
keep it properly

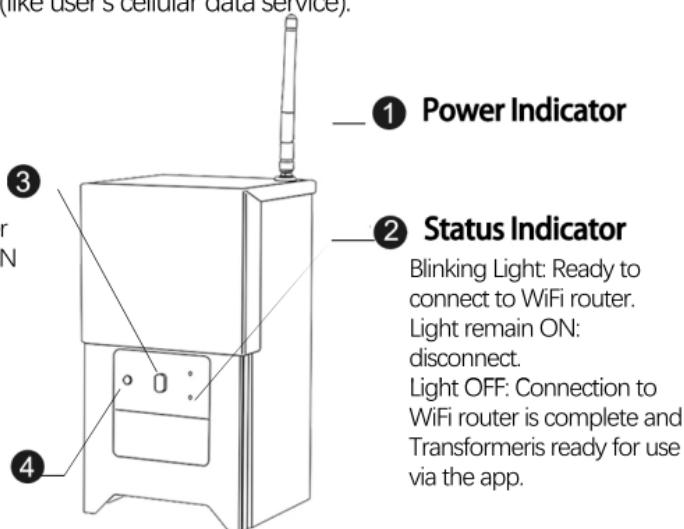
PLEASE READ ALLINSTRUCTIONS Before using the Smart Low VoltageTransformer

Compatible with 2.4 GHz Wi-Fi networks.

If you have multiple routers in your home, especially under the same modem and using dynamic IP address mode, please notice the routers with same LAN IP address may cause IP address conflict and make the routers involved cannot access internet. which makes Wi-Fi Low Voltage Transformer cannot be discovered and controlled via internet (like user's cellular data service).

Power Button

Press this button to manually override the Wi-Fi Low VoltageTransformer and turn the unit ON or OFF.



① Power Indicator

② Status Indicator

Blinking Light: Ready to connect to WiFi router.
Light remain ON: disconnect.
Light OFF: Connection to WiFi router is complete and Transformer is ready for use via the app.

IMPORTANT: Please refer to INSTALLATION INSTRUCTION before proceeding with Wi-Fi router connection. Wi-Fi Low Voltage transformer must be installed before connecting to Wi-Fi router.

SPECIFICATIONS

Model	MTM0150-15-WIFI-SS	MTM0300-15-WIFI-SS
Input	120VAC, 60Hz	120VAC, 60Hz
Output	12V / 15V AC	12V / 15V AC
Max. Power Rating	150W	300W

INSTALLATION INSTRUCTIONS

Important safety information to reduce risk of fire injury.

1. Do not install within 10 feet (3 m) of a pool, spa or fountain.
2. No serviceable parts inside the power supply unit. DO NOT DISASSEMBLE.
3. Do not repair or tamper with cord or plug.
4. Do not submerge transformer in water.
5. Do not mount the transformer onto combustible material.
6. Do not connect two or more transformers in parallel.
7. Do not use the transformer with a dimmer switch.
8. Plug the power supply unit directly into a GFCI outlet in wet location.
9. For low voltage outdoor landscape lighting system use only.
10. The maximum output of this transformer please check the max power rate value of transformer. Do not overload the transformer. Be sure that the total cumulative wattage of all 12 volt fixtures connected to the transformer be equal to or less than this value.

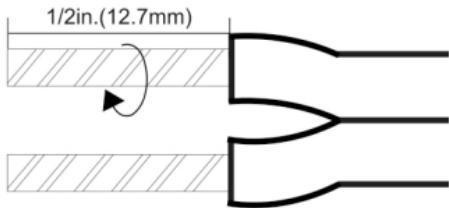
CAUTION: This landscape light system must be installed in accordance with all local codes and ordinances. If you encounter problems, contact a qualified electrician.

CALCULATE LIGHTING CAPACITY

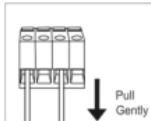
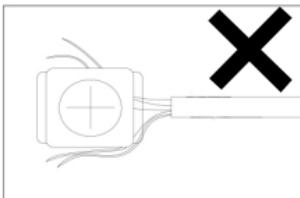
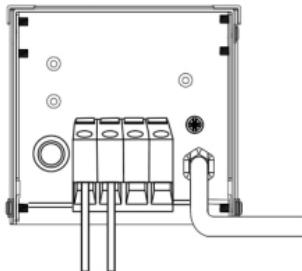
Before installing, please know the max power rate of transformer in your hand. For example: The 150 Watt transformer has 150 watt circuits which will power up to 150 watts of light. To make sure the maximum number of fixtures can be safely connected to this transformer, add up the individual wattage of all the fixtures. The total wattage of your fixtures must not exceed output capacity of the transformer.

INSTALLATION

1. Cable preparation Be careful when splitting the landscape cable. Do NOT expose the copper cable. Remove 1/2 inch of insulation from both cables and twist the ends.



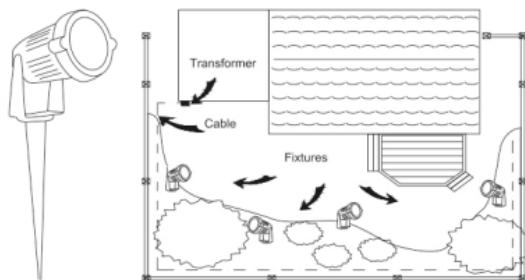
2. Connect the cable with Transformer Lay the transformer on a flat, stable surface and use screwdriver to connect the stripped ends of the cable under the terminal clamping plate.



Note: Gently pull on the landscape cable to verify if the connection is strong.

This transformer has multiple output terminals: 2 x Common (COM), 12V & 15V. Different voltage terminals can be used simultaneously as long as the total lamp VA does not exceed its max VA value. One wire of each cable needs to be connected to a common. Make sure all unused taps (leads) are separately insulated.

3. Placing Your Fixtures and Routing the cable Lay your fixtures (not included) to your desired location. Be sure they do not exceed the max power rating of the transformer. Coil the rest of the cable after connecting the last fixture.

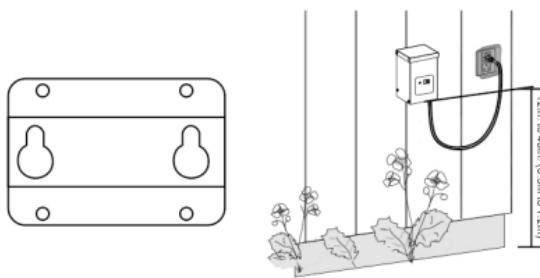


4. Attaching Your Fixtures

Turn the transformer on. Use the cable connectors to attach your fixtures with the cable. Then it will light up.

5. Mounting the Transformer

Mount the transformer directly to a solid wall surface using supplied screws and mounting bracket with slotted holes. 12 inches to 48 inches (0.3m to 1.2m) height from the ground would be recommended.



CABLE SELECTION CHART

12 VOLT TAP	Cable Length		
Total Fixture Wattage	0-50 feet	51-100 feet	100-150 feet
0-60 Watts	16 AWG	16 AWG	14 AWG
61-120 Watts	16 AWG	14 AWG	12 AWG
121-180 Watts	14 AWG	12 AWG	Not Recommended
181-240 Watts	14 AWG	12 AWG	Not Recommended
241-300 Watts	12 AWG	Not Recommended	Not Recommended

15 VOLTTAP	Cable Length		
Total Fixture Wattage	0-50 feet	51-100 feet	100-150 feet
0-60 Watts	16 AWG ¹	16 AWG	16 AWG
61-120 Watts	16 AWG ¹	16 AWG	12 AWG
121-180 Watts	14 AWG ¹	14 AWG	12 AWG
181-240 Watts	14 AWG ¹	14 AWG	12 AWG
241-300 Watts	12 AWG ¹	12 AWG	Not Recommended

AWG¹ Not recommended for Halogen Landscape

NOTE: This data is provided as a general guideline. Actual performance will depend on the installation layout, the fixtures and the condition of the cable. If the wire diameter you use is thinner than the wire diameter recommended in the table, it may cause the flickering of the end lamps.

TO CONNECT THE Wi-Fi Low Voltage Transformer TO A WI-FI ROUTER

STEP 1: Software Installation Download the TUYA Smart App: Scan QR Code or search "tuya" in Google Play or the App Store to download and install the app.

Note: All pictures shown are for illustration purpose only, the APP will be updated continuously, please refer to the latest APP interface to operate.



Free APP for android and iOS

STEP 2: Log in or Sign up

Log In

United States of America

Please enter your account

Password

I agree to the [Privacy Policy User Agreement](#) and [Children's Privacy Statement](#)

Log In

Forgot Password

Register

United States of America

Email Address

I agree to the [Privacy Policy User Agreement](#) and [Children's Privacy Statement](#)

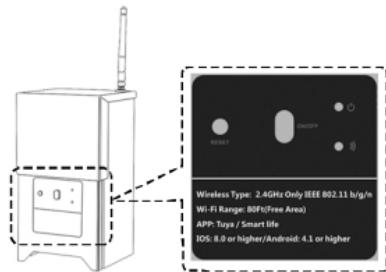
Get Verification Code

Note: Each device can only be connected to one account. If anyone else needs to control it, please share your device via the app.

STEP 3: Power on the transformer

If you are using this product for the first time, the red light will remain on while the blue light will continue to flash during startup.

If the blue light remain on, please press and hold the RESET button until the RED and blue lights flash, then release the buttons, the data has been cleared and the blue light will continue to flash.



LED Status	Function
Red Light ON	Power is ON
Red Light OFF	Power is OFF
Blue Light OFF	WIFI Connected
Blue Light Blinks	Device provisioning network

STEP 4: Add the Wi-Fi Low Voltage transformer

**PLEASE MAKE SURE YOUR
DEVICE HAS BEEN IN A 2.4G Hz
NETWORK AND TURN ON
BLUETOOTH!**



To pair your phone with a Bluetooth device, first enable Bluetooth on the phone and activate pairing mode on the device. Select the device from your phone's Bluetooth list, confirm any matching passkeys, and approve the connection request. Once paired, the devices will reconnect automatically when in range.

Note: The Wi-Fi Low Voltage transformer only support 2.4GHz network.

The following operations will be performed on your device:

- Enter Tuya Smart app which you have downloaded in STEP 1. A interface will appear as Figure 1.
- Click the “+” at the top right, and choose “add Device”. (see Figure 2)
- The app will take a few minutes to scan new device. (see Figure 3)

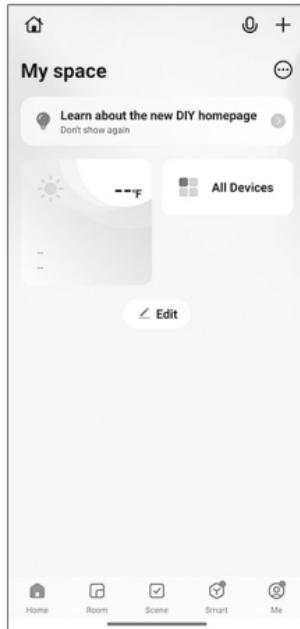


Figure 1

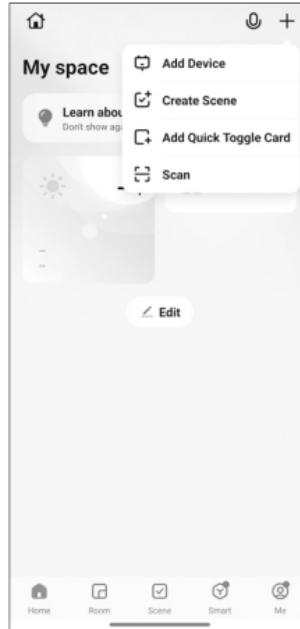


Figure 2

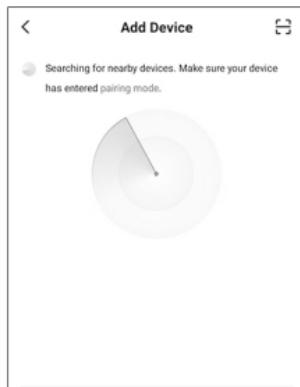


Figure 3

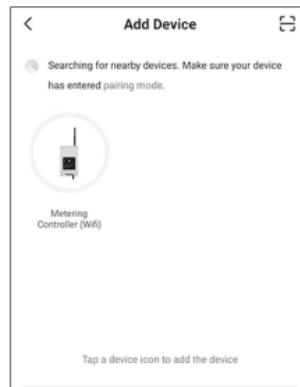


Figure 4

d. When "MeteringController (wifi)" is showed, (see Figure 4), tap this icon to add the device.

e. Input the password of wifi, tap "Next", the transformer will be added to device. See Figure 5 to Figure 8.

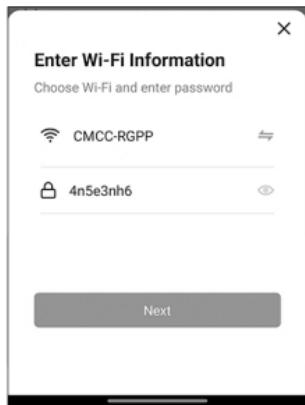


Figure 5

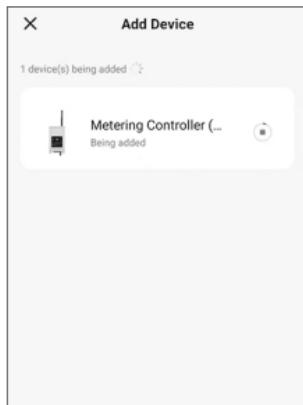


Figure 6

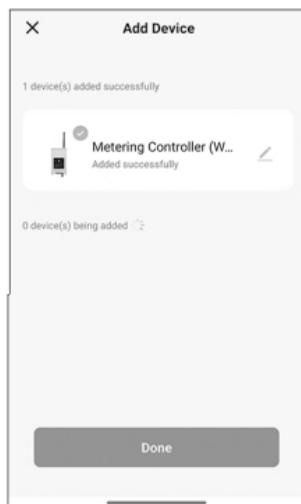


Figure 7

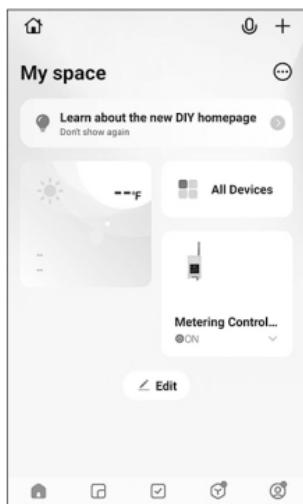


Figure 8

STEP 5: Set the function you need



Interface Introduction

Change Device Name

ON/OFF button

Timer Setting Button

Power Consumption Display

Time setting

- Countdown mode
- Schedule mode
- Circulate mode
- Random mode
- Inching mode
- Astronomical mode



Schedule mode

Tap "Schedule" to enter the interface as shown in Figure 9. And then, tap "add Schedule" to setting.

- You can set the Start time in a 7-day period according to needs. Please mind that you need to choose Switch 1 is ON. (See Figure 10). Tap "Save" to save your setting and Return to the previous interface.
- In the same way, you can set the End time. Please mind that you need to choose Switch 1 is OFF. Don't forget to tap "Save" to save your setting and Return to the previous interface.(See Figure 11).
- After the Start time and End time have been set, the Schedule mode setting is finished. (See Figure 12)



Figure 9

Figure 10

Figure 11

Figure 12

Circulate mode

Tap "Circulate" to enter Circulate mode. In this mode, you can set the duration of each ON and OFF, Start and End time according to your needs. Tap "Add Circulate" will enter Circulate setting. (See Figure 13)

The ON/OFF schedule will repeat between the Start and End time. For example: Set a period from 9:00 AM to 3:00 PM on Monday through Friday, turn on your light for 1 hour , and off for 30 minutes. Tap "Save" will save your setting and return previous interface, the outlet will repeat ON/OFF from 9:00 AM to 3:00 PM.(Figure 14, 15)



Figure 13

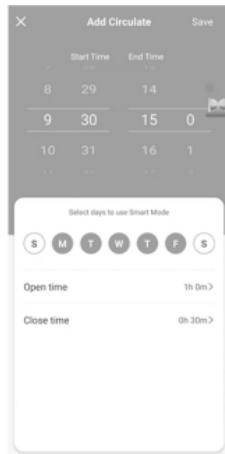


Figure 14



Figure 15

Random mode

Tap "Random" to enter Random mode. In this mode, Either +/-30 minutes than setting ON/OFF time, randomly control device when you are away from home. (Figure 16 to Figure 17)



Figure 16

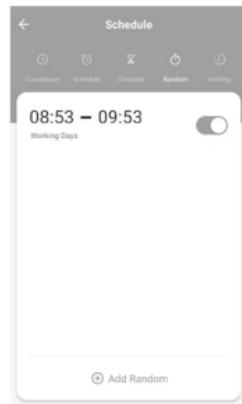


Figure 17

Countdown mode

Tap "Countdown" will enter Countdown mode. In this mode, you set the hours and minutes, and then tap the "Save" button, the transformer will maintain the current state (on or off) until the end of the c countdown. It will exit countdown mode automatically if you turn on/off manually. (Figure 18, 19)



Figure 18

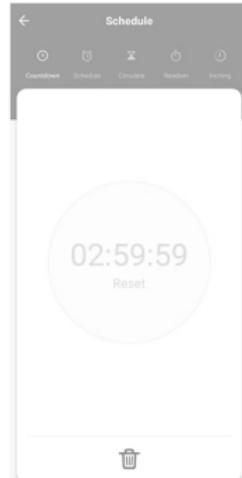


Figure 19

Work with Amazon Alexa

Easy and Fast Binding of Skills

Option 1: APP to APP (OEM App Redirects to Aleax to Bind)

Discover the corresponding OEM Aleax skills directly in your OEM APP, and easily complete the skill setting and account connection without opening multiple Apps, greatly shortening the user operation path

1. Find "Me" on the home page, tap More Services

2.Tap Aleax

3.Tap Login

4.Tap Link to complete skill binding

Option 2: APP to APP (Aleax Redirects to OEM App to Bind)

Search for the corresponding OEM Aleax skill in Aleax APP and directly redirect to bind your OEM APP, avoiding the failure of skill binding due to incorrect account password input, greatly improving the success rate of configuration.

1. Find corresponding skill in Aleax APP

2. Tap "Agree and link"

3. Complete the skill binding

Note: It is recommended to purchase all the functions together for the best experience (the above illustration are all based on Tuya Smart App)

Work with Google Home

Preparation

1. Make sure the smart device has been added to the Tuya Smart App and the device is online.

2. Make sure the Google Home App is installed.

Start

1. Click Me in the bottom right corner, click Google Assistant, click Link with Google Assistant.

2. The App will pull up the Google Home App, click Link.

3. Click agree Link.

4. Wait for it to finish loading, your smart devices will be synced to Google Assistant or Google Home App that can control them. Next, you can assign rooms to your devices in the Google Home App.

FCC STATEMENT

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

1) this device may not cause harmful interference, and 2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy , if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
- This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator& your body.

One Year Limited Warranty

Supported by our professional R&D team and QC team, we provide 1 Year Warranty for materials and workmanship from the purchase date. Please note that the warranty does not cover damage caused by personal misuse or improper installation.

Please attach your Order ID and Name so that our dedicated customer service team can help you better.



Made in China