

## Yitouniu TYTE-D1

# Yitouniu TYTE-D1 Tuya WiFi Smart 16A Temperature Controller Switch Sensor User Manual

Model: TYTE-D1

## 1. INTRODUCTION

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The Yitouniu TYTE-D1 Tuya WiFi Smart 16A Temperature Controller Switch Sensor is designed for precise temperature monitoring and control of various electrical appliances. It integrates seamlessly with the Tuya Smart Life app, offering remote control, energy consumption monitoring, and voice control capabilities. This device is suitable for applications such as seedling heat mats, terrestrial heat control, heating pumps, and more.



Figure 1: Yitouniu TYTE-D1 Smart Switch with key features and app compatibility.



Figure 2: Overview of Smart Temperature Control features including WiFi, voice control, remote access, temperature monitoring, and electricity statistics.

## 2. SETUP

## 2.1 Wiring Instructions

Proper wiring is crucial for safe and effective operation. Please follow the diagram below carefully.

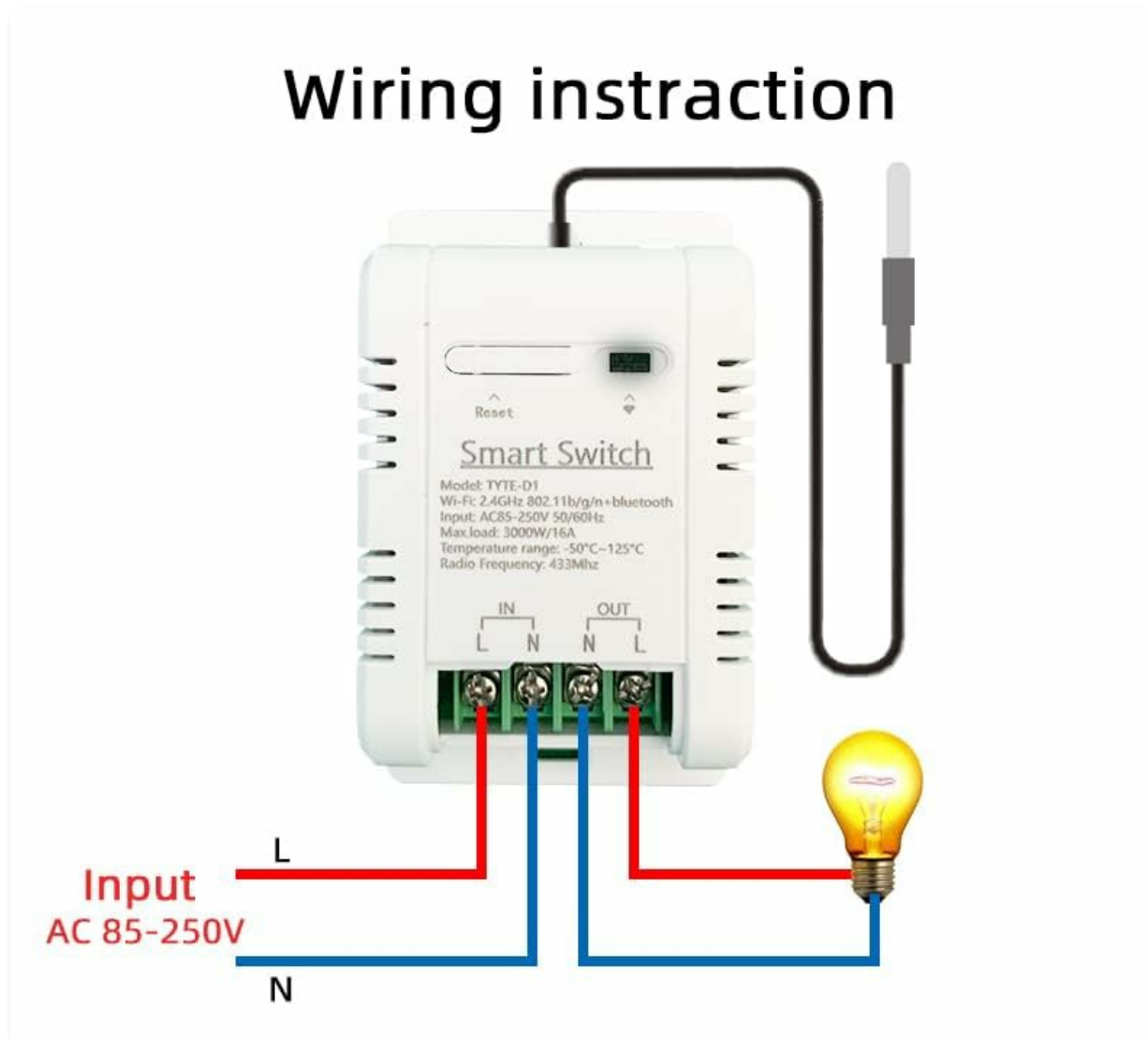


Figure 3: Wiring diagram for the Yitouniu Smart Switch. Connect AC 85-250V input to 'IN' (L and N) and the appliance to 'OUT' (L and N).

## 2.2 App Connection (Tuya Smart Life)

To connect your device to the Tuya Smart Life app, follow these steps:

1. **Charge the Device:** First, ensure the device is powered on.
2. **Indicator Light:** Observe the indicator light on the device. If it is not flashing quickly, press and hold the button for a few seconds until it blinks rapidly.
3. **Open Tuya App:** Open the Tuya Smart Life app on your smartphone.
4. **Add Device:** Click the '+' sign in the top right corner of the app to add a new device.
5. **Enable Bluetooth:** If the device is not automatically discovered, ensure your phone's Bluetooth is enabled. The app should then detect the device.
6. **Enter Wi-Fi Information:** Select the discovered device, enter your Wi-Fi network password, and confirm.
7. **Complete Setup:** Follow any remaining on-screen prompts to complete the device addition.

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Video 1: Demonstrates the process of connecting a Yitouniu device to the Tuya Smart Life app, including charging, indicator light status, and adding the device via Bluetooth and Wi-Fi.

### 3. OPERATING INSTRUCTIONS

#### 3.1 Remote Temperature Monitoring and Control

Once connected to the Tuya Smart Life app, you can remotely monitor the temperature and control your connected appliances.

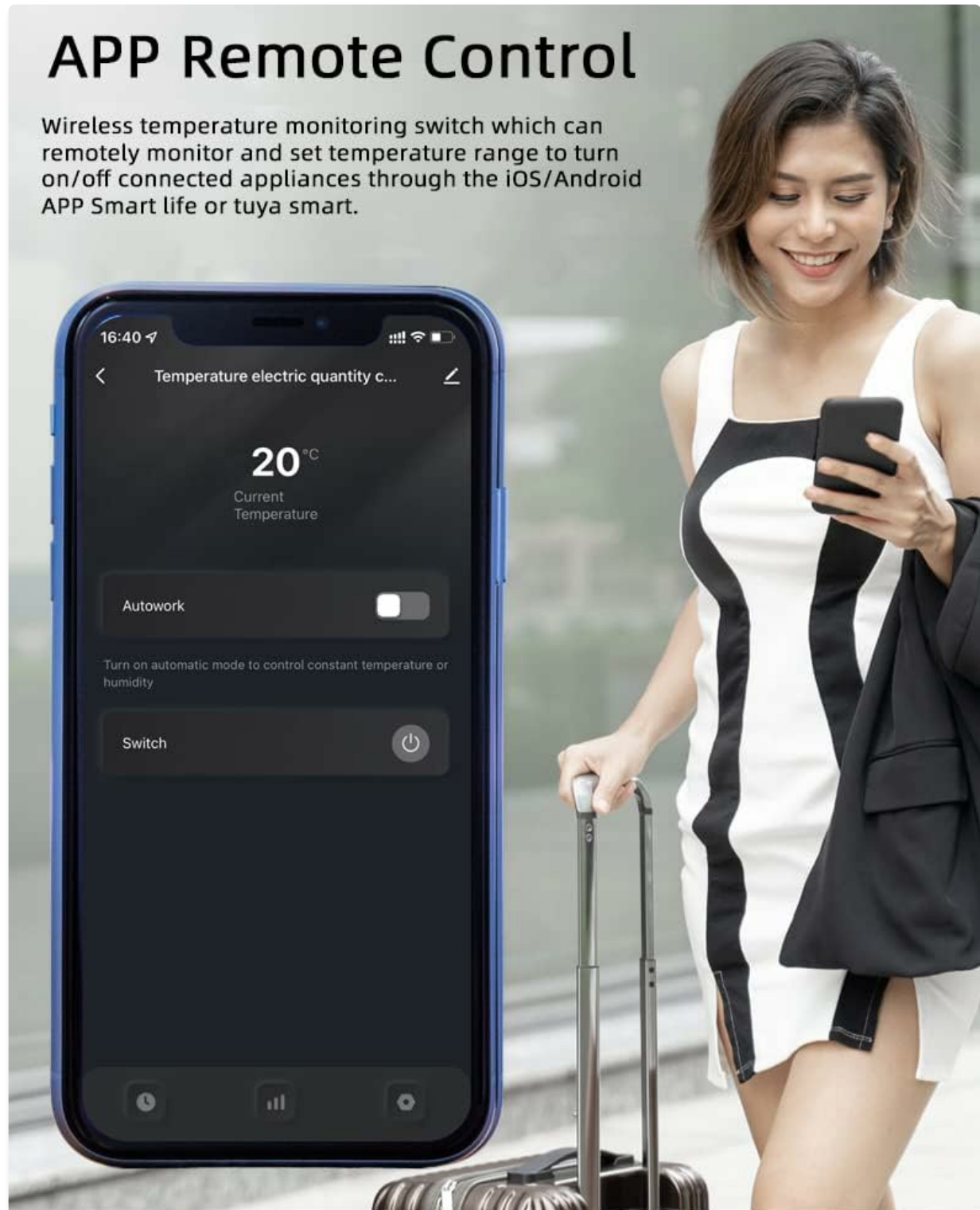


Figure 4: App interface for remote temperature monitoring and manual switch control.

#### 3.2 Automatic Mode and Timing

Set the device to automatic mode to turn your appliances on or off based on a specified temperature range. You can also set scheduled, countdown, or loop timers.

**Real-time monitoring of temperature, and can automatically Turn on/off equipment such as exhaust fans, heating rods, etc.**



Figure 5: Real-time temperature monitoring with automatic heating mode settings (e.g., turn on heating at 20°C, turn off at 25°C).

### 3.3 Energy Consumption Monitoring and History

The app provides real-time monitoring of energy consumption and allows you to view historical temperature and power data by year, month, and day.

Record temperature changes, and you can view temperature history data by year, month, and day.



Figure 6: View historical temperature data to track changes over time.

Real-time display of power of electrical equipment And can view by year, month, day Equipment historical power data.



Figure 7: Real-time display of electrical equipment power and historical power data.

### 3.4 Voice Control

The device is compatible with smart speakers such as Amazon Echo, Echo Dot, Amazon Tap, and Google Home. You can manage your devices through voice commands by creating smart scenes in the Smart Life app.

## Voice Control

Compatible with "Amazon" Alexa, for Google Home, for Google Nest.



Figure 8: Voice control integration with Amazon Alexa and Google Home for convenient operation.

### 3.5 Share Control

Easily share control of your smart home devices with family members through the Wi-Fi app.

## 4. MAINTENANCE

To ensure the longevity and optimal performance of your Yitouniu TYTE-D1 Temperature Controller, follow these maintenance guidelines:

- **Cleaning:** Regularly wipe the device with a dry, soft cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Probe Care:** Keep the temperature probe clean and free from debris. Although waterproof, avoid unnecessary prolonged immersion in liquids.
- **Environmental Conditions:** Ensure the device is operated within its specified operating temperature range (-20°C to 70°C) and away from excessive moisture or direct sunlight.
- **Firmware Updates:** Check the Tuya Smart Life app periodically for any available firmware updates to ensure your device has the latest features and security enhancements.

## 5. TROUBLESHOOTING

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If you encounter issues with your Yitouniu TYTE-D1 Temperature Controller, refer to the following common troubleshooting steps:

- **Device Not Connecting to Wi-Fi:**

- Ensure your Wi-Fi network is 2.4GHz. The device does not support 5GHz networks.
- Verify the Wi-Fi password entered in the app is correct.
- Make sure the device is within range of your Wi-Fi router.
- Reset the device by pressing and holding the button until the indicator light flashes rapidly, then attempt to re-pair.

- **Inaccurate Temperature Readings:**

- Check if the temperature probe is securely connected to the device.
- Ensure the probe is placed correctly in the environment you wish to monitor and is not obstructed.
- Avoid placing the probe near heat sources or cold drafts that could affect readings.

- **App Control Not Responding:**

- Check your internet connection and ensure the device is online in the app.
- Restart the Tuya Smart Life app.
- If the issue persists, try restarting the temperature controller by unplugging and re-plugging it.

- **Voice Control Issues:**

- Ensure the device is properly linked to your Amazon Alexa or Google Home account.
- Verify the device name used in voice commands matches the name set in the Smart Life app.
- Check the internet connection of your smart speaker.

If these steps do not resolve the issue, please contact customer support.

## 6. SPECIFICATIONS

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# Product parameters

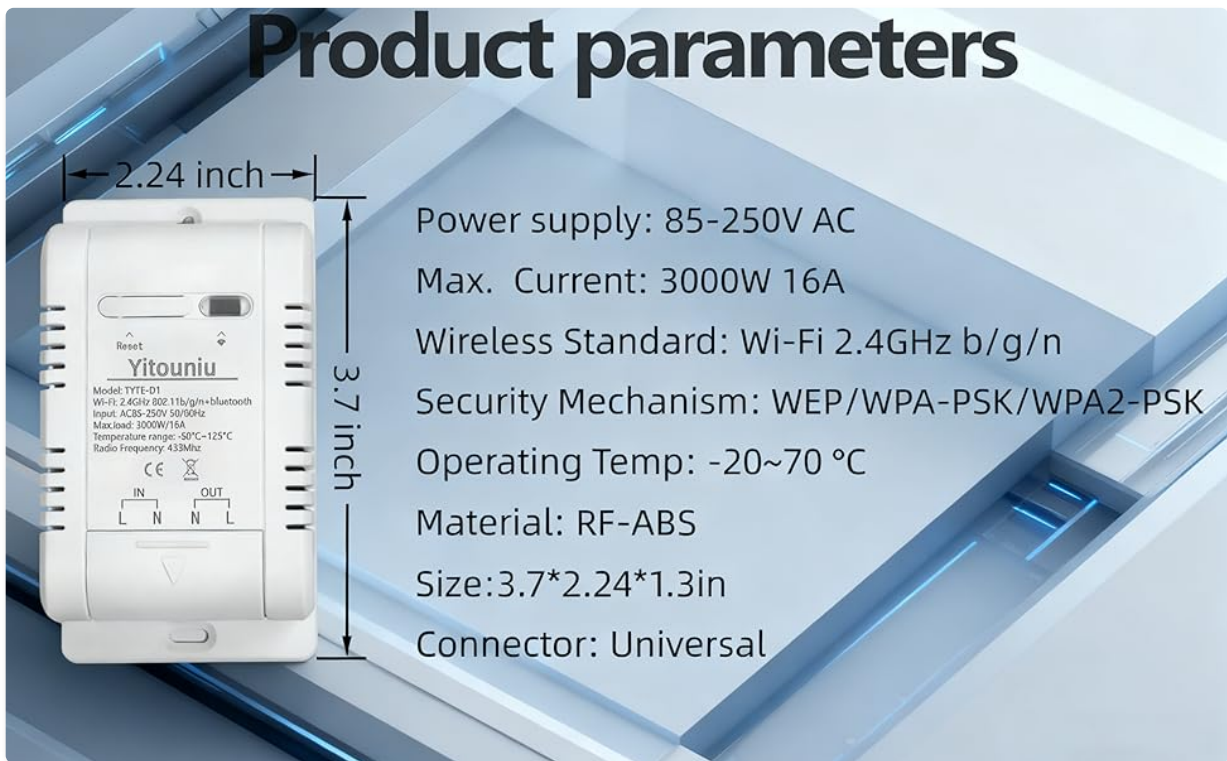


Figure 9: Detailed product parameters and dimensions.

Feature	Specification
Model Number	TYTE-D1
Power Supply	85-250V AC
Max. Current	16A
Max. Load	3000W
Wireless Standard	Wi-Fi 2.4GHz b/g/n
Security Mechanism	WEP/WPA-PSK/WPA2-PSK
Operating Temperature	-20°C to 70°C
Temperature Range (Probe)	-50°C to 125°C
Material	RF-ABS
Dimensions	9.4 x 5.84 x 3.3 cm (3.7 x 2.3 x 1.3 inches)
Included Components	Relay housing, relay module, temperature probe sensor cable
Certifications	CE, FCC

## 7. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact the seller directly through your purchase platform. Ensure you have your product model number (TYTE-D1) and purchase details available when seeking support.

