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DAZZLEEX 2002464726

DAZZLEEX TUYA WiFi Smart Circuit Protection Device User Manual

Model: 2002464726

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your DAZZLEEX TUYA WiFi Smart Circuit Protection Device. This device integrates over-voltage, over-current, and leakage protection with smart WiFi control and energy monitoring capabilities. Please read this manual thoroughly before use to ensure safe and efficient operation.



Figure 1: Front view of the DAZZLEEX TUYA WiFi Smart Circuit Protection Device, showing the display and control buttons.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the device:

- Installation must be performed by a qualified electrician in accordance with local electrical codes.
- Ensure power is disconnected before installation or maintenance.
- Do not operate the device if it is damaged.
- Keep the device away from water and excessive humidity.
- Do not attempt to disassemble or repair the device yourself.

3. SPECIFICATIONS

Feature	Specification
Brand	DAZZLEEX
Model Number	2002464726
Input Voltage	230 V
Frequency	50/60 Hz
Over-current/Leakage Protection Time	1-30 seconds (Default: 5 seconds)
Reconnection Time (Delay)	10-99 seconds (Default: 30 seconds)
Dimensions (L x W x H)	10 x 8 x 5 cm
Control	Manual ON/OFF, TUYA APP (WiFi)
Features	Over-voltage, Over-current, Leakage Protection, kWh Energy Meter, Real-time Voltage/Current Display, 3 Timing Modes (Timer, Countdown, Cycle)

4. SETUP AND INSTALLATION

This device is designed for DIN rail mounting. Professional installation is highly recommended.

4.1 Physical Installation

- Power Disconnection:** Before starting, ensure the main power supply to the circuit is completely disconnected. Verify with a voltage tester.
- Mounting:** Mount the device securely onto a standard DIN rail within your electrical panel.
- Wiring:**
 - Connect the incoming Live (L) and Neutral (N) wires to the "IN" terminals at the top of the device.
 - Connect the outgoing Live (L) and Neutral (N) wires to the "OUT" terminals at the bottom of the device, leading to the protected circuit.
- Secure Connections:** Ensure all wire connections are tight and secure to prevent loose contacts and overheating.
- Power Restoration:** Once installation is complete and verified, restore power to the circuit. The device display should illuminate.



Figure 2: Side view of the device illustrating the input (IN) and output (OUT) terminals for wiring.

4.2 TUYA APP Connection

1. **Download App:** Download the "Tuya Smart" or "Smart Life" app from your mobile device's app store (iOS or Android).
2. **Register/Login:** Open the app and register for a new account or log in if you already have one.
3. **Add Device:**
 - Ensure your mobile device is connected to a 2.4 GHz WiFi network.
 - In the app, tap the "+" icon (usually top right) to add a device.
 - Select the appropriate device category (e.g., "Electrical" -> "Circuit Breaker" or "Energy Meter").
 - Follow the on-screen instructions to put the device into pairing mode. This usually involves pressing and holding the "WiFi" button on the device until the WiFi indicator blinks rapidly.
 - Confirm the blinking indicator in the app and enter your WiFi network password.
 - The app will search for and connect to the device. Once connected, you can rename the device and assign it

to a room.



Figure 3: Device display with an illustration of the Tuya Smart app interface on a smartphone, demonstrating remote control and monitoring.

5. OPERATION

5.1 Device Display and Buttons

The device features an LCD display and several control buttons:

- **Display:** Shows real-time voltage (V), current (A), power (W), and accumulated energy (kWh).
- **SET Button:** Used to enter settings mode and confirm selections.
- **Up/Down Arrows:** Used to navigate through settings and adjust values.
- **WiFi Button:** Used for WiFi pairing and status indication.

- **Power Button (Red):** Manual ON/OFF control for the circuit.
- **Indicators:** PULSE (energy pulse), WIFI (WiFi status), V (voltage alert), A (current alert), LEAKAGE (leakage protection active).



Figure 4: Detailed view of the device's LCD screen, buttons (SET, Up/Down, WiFi, Power), and indicator lights.

5.2 Manual ON/OFF Control

Press the **Red Power Button** on the device to manually switch the circuit ON or OFF.

5.3 Setting Protection Parameters (On-Device)

To adjust protection settings directly on the device:

1. Press and hold the **SET** button for a few seconds to enter the settings menu.
2. Use the **Up/Down Arrows** to navigate through parameters such as over-current threshold, over-voltage threshold, under-voltage threshold, leakage current threshold, over-current/leakage protection time, and reconnection delay time.

3. Press **SET** to select a parameter, then use the **Up/Down Arrows** to adjust its value.
4. Press **SET** again to confirm the new value.
5. Exit the settings menu by waiting for a timeout or navigating to the exit option.

Note: Default settings are: Over-current/Leakage Protection Time: 5 seconds; Reconnection Time: 30 seconds.

5.4 TUYA APP Remote Control and Monitoring

Once connected to the Tuya Smart app, you can:

- **Remote ON/OFF:** Switch the circuit on or off from anywhere using the app.
- **Real-time Monitoring:** View live voltage, current, power, and energy consumption (kWh) data.
- **Protection Settings:** Adjust over-voltage, under-voltage, over-current, and leakage protection thresholds and timing parameters.
- **Timing Modes:** Set up three timing modes:
 - **Timer Mode:** Schedule specific ON/OFF times for the device.
 - **Countdown Mode:** Set a countdown timer for the device to switch ON or OFF after a specified duration.
 - **Cycle Timing Mode:** Configure repetitive ON/OFF cycles.
- **Historical Data:** Access historical energy consumption data and protection event logs.

6. MAINTENANCE

The DAZZLEEX Smart Circuit Protection Device requires minimal maintenance. Follow these guidelines:

- **Regular Cleaning:** Periodically wipe the exterior of the device with a dry, soft cloth to remove dust. Do not use liquid cleaners or solvents.
- **Connection Check:** Annually, or if issues arise, have a qualified electrician check the wiring connections for tightness and signs of wear. Ensure power is off before inspection.
- **Firmware Updates:** Check the Tuya Smart app periodically for firmware updates for the device. Updates can improve performance and add new features.
- **Environmental Conditions:** Ensure the device is operating within its specified environmental conditions (temperature, humidity) to prolong its lifespan.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	No power supply; incorrect wiring.	Check main power supply. Verify wiring connections (L/N IN, L/N OUT) are correct and secure. Consult a qualified electrician.
WiFi indicator not blinking for pairing.	Not in pairing mode.	Press and hold the "WiFi" button for 5-7 seconds until the indicator blinks rapidly.
Cannot connect to Tuya App.	Incorrect WiFi password; 5GHz WiFi network; device too far from router.	Ensure correct 2.4 GHz WiFi network and password. Move device closer to router or use a WiFi extender. Reset device and try pairing again.

Problem	Possible Cause	Solution
Device trips frequently.	Over-current, over-voltage, or leakage detected; sensitive protection settings.	Check connected appliances for faults. Review and adjust protection thresholds in the app or on the device if they are too low for normal operation. If problem persists, consult an electrician.
Display shows incorrect readings.	Wiring issue; device malfunction.	Verify wiring connections. If readings are consistently inaccurate, contact customer support.

8. WARRANTY INFORMATION

DAZZLEEX products are designed and manufactured to the highest quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your purchase or contact DAZZLEEX customer support. The warranty typically covers defects in materials and workmanship under normal use.

Note: The warranty may be voided by improper installation, unauthorized repairs, or damage caused by misuse or external factors.

9. CUSTOMER SUPPORT

If you encounter any issues or have questions regarding your DAZZLEEX TUYA WiFi Smart Circuit Protection Device, please contact our customer support team:

- **Website:** Visit the official DAZZLEEX website for FAQs and support resources.
- **Email:** Refer to your product packaging or warranty card for customer service email address.
- **Online Help:** Within the Tuya Smart or Smart Life app, there is often a "Help & Feedback" section for device-specific support.

When contacting support, please have your product model number (2002464726) and purchase details ready.

