TONGOU JCZWUAFAC-3P-1-63AADJUSTABLE

TONGOU TUYA WiFi Metering Circuit Breaker (3P) Instruction Manual

Model: JCZWUAFAC-3P-1-63AADJUSTABLE (Also known as TOQCB2-100 series)

1. INTRODUCTION

This instruction manual provides comprehensive guidance for the installation, operation, and maintenance of your TONGOU TUYA WiFi Metering Circuit Breaker. This smart device integrates circuit protection with remote control and energy metering capabilities via the TUYA Smart Life application. Please read this manual thoroughly before installation and use to ensure safe and efficient operation.

2. SAFETY INFORMATION

WARNING: Electrical shock hazard. Installation and maintenance should only be performed by qualified electricians in accordance with all local and national electrical codes.

- Always disconnect power at the main service panel before installing or servicing the circuit breaker.

- Ensure proper grounding and wiring according to the provided diagrams and local regulations.

- Do not operate the device with wet hands or in damp conditions.

- Verify that the voltage and current ratings of the circuit breaker match your electrical system requirements.

- The device is designed for indoor use unless otherwise specified for outdoor enclosures.

3. PRODUCT OVERVIEW AND FEATURES

The TONGOU TUYA WiFi Metering Circuit Breaker is designed to provide advanced protection and control for electrical circuits. It combines traditional circuit breaking functionality with smart features for enhanced safety and convenience.

Key Features:

- **Overload and Short Circuit Protection:** Prevents damage caused by excessive current and short circuits.

- **Remote Control:** Turn circuits ON/OFF from anywhere using the TUYA Smart Life app.

- **Energy Metering:** Monitor real-time power consumption and historical data.

- **Timer and Schedule Functions:** Automate circuit operation based on schedules.

- **Wireless Connectivity:** Integrated Wi-Fi for seamless integration with smart home systems.

- **Durable Construction:** Made with insulating, flame-retardant, and UV-resistant materials for long-term reliability.

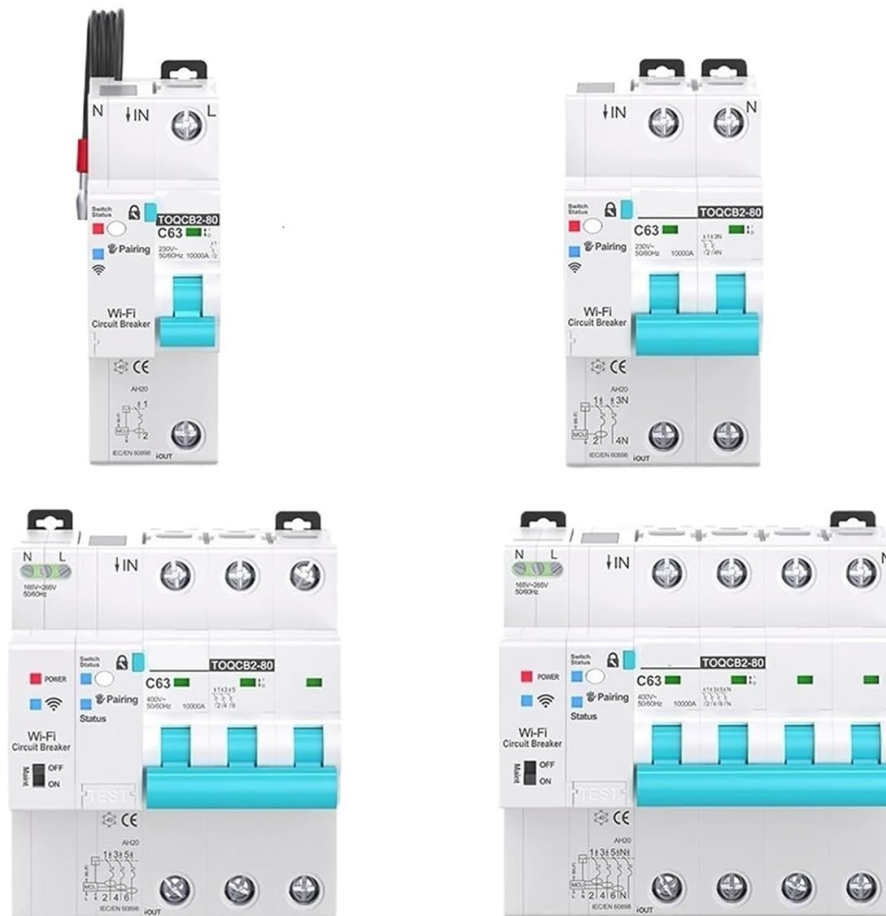- **Secure Connections:** Screw-type terminals ensure stable electrical connections.

Figure 1: Overview of TONGOU TUYA WiFi Metering Circuit Breakers in different pole configurations.

4. SETUP AND INSTALLATION

4.1 Mechanical Installation

1. **Power Disconnection:** Before beginning any work, ensure that the main power supply to the circuit is completely disconnected at the service panel. Verify with a voltage tester.

2. **Mounting:** The circuit breaker is designed for DIN rail mounting. Snap the device onto the standard 35mm DIN rail within your electrical panel or enclosure.

3. **Space Clearance:** Ensure adequate space around the device for ventilation and access to terminals.

4.2 Electrical Wiring (3-Pole Configuration)

Refer to the wiring diagram on the device and below for correct connections. The 3-pole version is suitable for three-phase systems or specific single-phase applications requiring three conductors.

- **Input Terminals (IN):** Connect the incoming live (L1, L2, L3) and neutral (N) wires from your power source to the corresponding "IN" terminals at the top of the circuit breaker.
- **Output Terminals (OUT):** Connect the outgoing live (L1, L2, L3) and neutral (N) wires to the load (e.g., appliances, sub-panel) from the corresponding "OUT" terminals at the bottom.
- **Tighten Connections:** Use appropriate tools to securely tighten all screw terminals. Loose connections can cause overheating and fire hazards.

Figure 2: Detailed view of a 3-pole TONGOU TUYA WiFi Circuit Breaker, showing input (IN) and output (OUT) terminals.

4.3 Wi-Fi Pairing with TUYA Smart Life App

1. **Download App:** Download the "TUYA Smart" or "Smart Life" app from your smartphone's app store (iOS App Store or Google Play Store).
2. **Register/Login:** Open the app and register for a new account or log in with an existing one.

3. **Power On:** Restore power to the circuit breaker. The Wi-Fi indicator light (often blue or green) on the device should start blinking rapidly, indicating pairing mode. If it's not blinking, press and hold the pairing button (if available, refer to device diagram) for 5-10 seconds until it blinks rapidly.

4. **Add Device:** In the app, tap the "+" icon in the top right corner to add a device. Select "Electrical Engineering" > "Circuit Breaker (Wi-Fi)" or "Switch (Wi-Fi)".

5. **Connect to Wi-Fi:** Confirm the indicator is blinking rapidly. Enter your 2.4GHz Wi-Fi network name and password. *Note: 5GHz Wi-Fi networks are not supported.*

6. **Pairing:** The app will begin searching for the device. Once found, it will connect and add the circuit breaker to your account. You can then rename the device for easy identification.

5. OPERATING INSTRUCTIONS

5.1 Manual Operation

- **ON/OFF Switch:** The physical toggle switch on the front of the circuit breaker allows for manual control. Push the switch up to turn the circuit ON, and push it down to turn it OFF.

- **Trip Indication:** If an overload or short circuit occurs, the breaker will automatically trip to the OFF position. Investigate the cause before resetting.

5.2 Remote Control via TUYA Smart Life App

- **Device Control:** Open the TUYA Smart Life app, select your circuit breaker from the device list. You will see an ON/OFF toggle button to remotely control the power.

- **Metering Data:** The app displays real-time current, voltage, power consumption, and historical energy usage data.

- **Timer/Schedule:** Set up schedules for automatic ON/OFF operations. This is useful for automating lighting, water heaters, or other appliances.

- **Scene Automation:** Integrate the circuit breaker into smart scenes with other TUYA-compatible devices.

6. MAINTENANCE

- **Regular Inspection:** Periodically inspect the circuit breaker for any signs of physical damage, discoloration, or loose connections.

- **Cleaning:** Ensure the device is clean and free from dust and debris. Use a dry, soft cloth for cleaning. Do not use liquids or abrasive cleaners.

- **Firmware Updates:** Check the TUYA Smart Life app for any available firmware updates for the device to ensure optimal performance and security.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	No power from source; faulty wiring.	Check main power supply. Verify all wiring connections are secure and correct.
Wi-Fi indicator not blinking for pairing.	Not in pairing mode; device already paired.	Press and hold the pairing button for 5-10 seconds until the indicator blinks rapidly. If already paired, check app for device status.

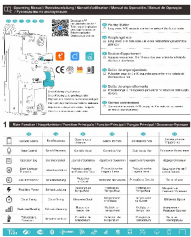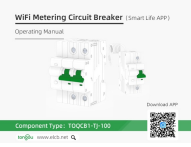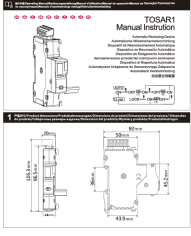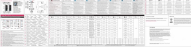| Problem	Possible Cause	Solution
Cannot connect to Wi-Fi.	Incorrect Wi-Fi password; 5GHz network; weak signal.	Ensure correct 2.4GHz Wi-Fi password. Move device closer to router. Confirm router is broadcasting 2.4GHz.
Circuit breaker trips frequently.	Overload on circuit; short circuit; faulty appliance.	Reduce load on the circuit. Disconnect appliances one by one to identify faulty device. Consult an electrician if problem persists.
Remote control unresponsive.	No internet connection; app issue; device offline.	Check your home internet connection. Restart the TUYA Smart Life app. Verify the device's Wi-Fi indicator is solid (connected).

8. SPECIFICATIONS

Feature	Detail
Model Number	JCZWUAFAC-3P-1-63AADJUSTABLE (TOQCB2-100 series)
Type	Miniature Circuit Breaker (MCB) with Wi-Fi and Metering
Poles	3P (3-Pole)
Connectivity	Wi-Fi (2.4GHz only)
App Compatibility	TUYA Smart / Smart Life
Protection Features	Overload, Short Circuit
Material	Insulating, Flame-retardant, UV-resistant
Certification	CE
Origin	Mainland China
Package Dimensions	0.39 x 0.39 x 0.39 inches
Item Weight	3.53 ounces

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact the seller directly. Keep your purchase receipt as proof of purchase.

For app-related issues, refer to the help section within the TUYA Smart or Smart Life application.

Related Documents - JCZWUAFAC-3P-1-63AADJUSTABLE

[Tongou TOQCB2 Smart Metering Circuit Breaker User Manual & Specifications](#)
Comprehensive user manual and technical specifications for the Tongou TOQCB2 Smart Metering Circuit Breaker, covering installation, functions, features, and safety guidelines.

[Tongou TOQCB1-TJ-100 WiFi Metering Circuit Breaker: Operating Manual & Features](#)
Detailed operating manual for the Tongou TOQCB1-TJ-100 WiFi Metering Circuit Breaker. Covers main functions, parameter settings, live view, LED indicators, configuration steps, and remote protection mode for the Smart Life APP.

[TOSAR1 Automatic Reclosing Device Manual Instruction](#)
This manual provides detailed instructions for the TOSAR1 Automatic Reclosing Device, covering installation, operation, and technical specifications. It is designed for professionals in the electrical field.

[Tongou DIN Rail Smart Meter - Smart Life APP Control](#)
Comprehensive technical specification and overview of the Tongou DIN Rail Smart Meter, featuring remote control via Smart Life APP, Wi-Fi, Zigbee, and LTE connectivity, energy monitoring, and prepaid functions.

[Tongou DIN Rail Smart Switch Operating Manual](#)
Comprehensive operating manual for Tongou DIN Rail Smart Switches (TO-Q-SY1, TO-Q-SY2 series), covering product appearance, specifications, LED indicators, configuration steps, wiring diagrams, parameter settings, event logs, time settings, and safety guidelines.

[Tongou Smart Din Rail Switch Operating Manual: Features, Configuration, and Specifications](#)
Comprehensive operating manual for the Tongou Smart Din Rail Switch (TO-Q-SY2-JWT, TO-Q-SY2-JZT) supporting WiFi and ZigBee. Learn about its main functions, data parameters, product selection, configuration steps, features like remote control and timers, and wiring diagrams.