

TOMZN TOB15-63 WIFI

TOMZN TOB15-63 WiFi Smart Circuit Breaker User Manual

Model: TOB15-63 WIFI

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, setup, operation, and maintenance of your TOMZN TOB15-63 WiFi Smart Circuit Breaker. This device is designed to offer advanced electrical protection and remote control capabilities for various applications, including solar systems and general electrical circuits. Please read this manual thoroughly before installation and use to ensure safe and efficient operation.

2. SAFETY INFORMATION

WARNING: Electrical shock hazard. Installation and servicing should only be performed by qualified personnel.

- Always disconnect power before installing or servicing the circuit breaker.
- Ensure all wiring complies with local and national electrical codes.
- Do not operate the device if it appears damaged.
- This device is designed for indoor use or in enclosures that protect it from direct weather exposure.
- Verify correct voltage and current ratings before connecting to any circuit.

3. PRODUCT FEATURES

- **Remote Control:** Manage power ON/OFF via the Ewelink application.
- **Over/Under Voltage Protection:** Automatically disconnects power when voltage exceeds or falls below adjustable thresholds.
- **Current Limiting Protection:** Prevents damage from overcurrent by disconnecting power when current exceeds an adjustable limit.
- **LCD Display:** Real-time display of voltage and current.
- **Adjustable Parameters:** User-configurable settings for over-voltage, under-voltage, current limit, and delay-on time.
- **Durable Construction:** Made with insulating, flame-retardant, and UV-resistant materials for long-term reliability.
- **Secure Connections:** Screw-type terminals ensure stable electrical connections.

- **Versatile Application:** Suitable for solar inverters, charge controllers, battery banks, and general circuit protection.

4. SPECIFICATIONS

Parameter	Value
Model Number	TOB15-63 WIFI
Type	Mini Circuit Breaker
MCB Side Rate Current	63A
Over Voltage Adjustable Range	230V-300V
Under Voltage Adjustable Range	145V-210V
Current Limiting Adjustable Range	1A-63A
Delay On Time Adjustable Range	3-300S
Connectivity	WiFi (Ewelink App)
Certification	CE
Dimensions (Approx.)	0.39 x 0.39 x 0.39 inches
Weight (Approx.)	3.53 ounces

5. INSTALLATION

The TOMZN TOB15-63 WiFi Smart Circuit Breaker is designed for DIN rail mounting within an electrical panel or suitable enclosure. Ensure the installation environment is dry and protected from direct sunlight and extreme temperatures.

1. **Power Disconnection:** Before starting, ensure the main power supply to the circuit is completely disconnected at the source. Use a voltage tester to confirm no power is present.
2. **Mounting:** Securely mount the circuit breaker onto a standard DIN rail in your electrical panel.
3. **Wiring:**
 - Connect the incoming live (L) and neutral (N) wires to the designated input terminals (usually marked 'IN' or with arrows pointing inwards).
 - Connect the outgoing live (L) and neutral (N) wires to the designated output terminals (usually marked 'OUT' or with arrows pointing outwards).
 - Ensure all connections are tight and secure using the screw-type terminals. Loose connections can cause overheating and fire hazards.
4. **Verification:** Double-check all wiring connections for correctness and security.
5. **Restore Power:** Once installation is complete and verified, restore power to the circuit.



Figure 1: Front view of the TOMZN TOB15-63 WiFi Smart Circuit Breaker. This image shows the main switch, LCD display, 'SET' button, and up/down navigation buttons. The display shows "23.8.U" and the text "ON/OFF Press 5s to Pairing network" is visible below the navigation buttons.

6. WiFi AND EWELINK APP SETUP

To utilize the smart features of your circuit breaker, you need to connect it to your WiFi network via the Ewelink application.

1. **Download Ewelink App:** Download and install the Ewelink app from your smartphone's app store (iOS or Android).
2. **Register/Login:** Open the app and register a new account or log in with an existing one.
3. **Enter Pairing Mode:** With the circuit breaker powered on, press and hold the "ON/OFF" button (located below the navigation buttons, as shown in Figure 1) for approximately 5 seconds until the WiFi indicator light starts blinking rapidly. This indicates the device is in pairing mode.
4. **Add Device in App:** In the Ewelink app, tap the "+" icon to add a new device. Follow the on-screen instructions to select the device type (e.g., "Electrical Switch" or "Circuit Breaker") and connect it to your 2.4GHz WiFi network.
5. **Confirmation:** Once successfully paired, the WiFi indicator light on the circuit breaker will become solid, and the device will appear in your Ewelink app. You can now rename the device and control it remotely.

7. OPERATION

7.1. Manual Control

- **Main Switch:** The red lever on the left side of the device (Figure 1) acts as a manual ON/OFF switch for the circuit. Push it up to turn ON, and down to turn OFF.

7.2. LCD Display and Navigation

The LCD display shows real-time electrical parameters. It typically cycles between displaying voltage (V) and current (A).

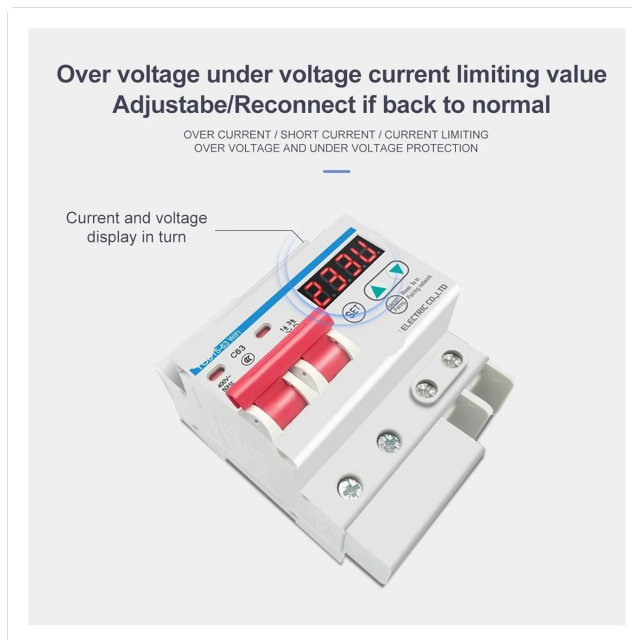


Figure 2: Angled view of the TOMZN TOB15-63 WiFi Smart Circuit Breaker. This image highlights the LCD display showing "23.3.U" and text indicating adjustable over/under voltage and current limiting values, and that current and voltage display in turn.

- **SET Button:** Press the 'SET' button to cycle through different display modes or to enter parameter adjustment mode.
- **Up/Down Buttons:** Use the up and down arrow buttons to navigate through menu options or adjust parameter values when in adjustment mode.

7.3. Parameter Adjustment

To adjust protection parameters (over-voltage, under-voltage, current limit, delay-on time):

1. Press and hold the 'SET' button for a few seconds until the display enters parameter adjustment mode.
2. Use the 'SET' button to cycle through the adjustable parameters (e.g., Over Voltage, Under Voltage, Current Limit, Delay Time).
3. When the desired parameter is displayed, use the Up and Down arrow buttons to adjust its value.
4. After setting the value, press 'SET' again to confirm and move to the next parameter, or wait a few seconds for the device to automatically save and exit adjustment mode.

Refer to the Specifications section for the adjustable ranges of each parameter.

7.4. Remote Control via Ewelink App

- Open the Ewelink app on your smartphone.
- Select your TOMZN circuit breaker from the device list.
- Use the ON/OFF toggle in the app to remotely control the power supply.
- The app also allows you to view real-time voltage and current, set schedules, and configure protection parameters remotely.

8. MAINTENANCE

The TOMZN TOB15-63 WiFi Smart Circuit Breaker requires minimal maintenance. Regular checks can help ensure its longevity and reliable operation.

- **Visual Inspection:** Periodically inspect the device for any signs of physical damage, discoloration, or loose connections.
- **Cleaning:** If necessary, gently clean the exterior of the device with a dry, soft cloth. Do not use liquid cleaners or

solvents.

- **Connection Check:** Ensure all wiring connections remain tight and secure.
- **Functionality Test:** Occasionally test the manual ON/OFF switch and verify that the LCD display is functioning correctly.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device has no power/LCD is off.	No incoming power; loose wiring; internal fault.	Check main power supply. Verify all wiring connections are secure. If problem persists, contact support.
Circuit breaker trips frequently.	Overload; short circuit; over/under voltage condition; incorrect parameter settings.	Reduce load on the circuit. Check for short circuits. Review and adjust over/under voltage and current limiting settings.
Cannot connect to WiFi/Ewelink app.	Incorrect WiFi password; 5GHz WiFi network; device not in pairing mode; weak WiFi signal.	Ensure correct 2.4GHz WiFi network and password. Put device into pairing mode (hold ON/OFF for 5s). Move device closer to router or use a WiFi extender.
Remote control not responding.	No internet connection on phone or device; device offline in app.	Check internet connectivity on your phone. Verify the device is online in the Ewelink app. Restart the app or the circuit breaker.


10. WARRANTY AND SUPPORT





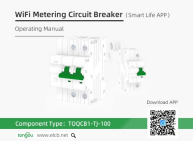
This product comes with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or contact your retailer. For technical support or inquiries, please reach out to the manufacturer or your point of purchase.



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Related Documents - TOB15-63 WIFI

	<p>TOMZN TOQ7e Series Wi-Fi Smart Automatic Transfer Switch Instruction Manual</p> <p>Comprehensive instruction manual for the TOMZN TOQ7e series Wi-Fi Smart Automatic Transfer Switch, detailing installation, operation, technical specifications, and remote control features for reliable power management.</p>
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	<p>SMTONOFF WiFi Smart Metering Breaker Auto-reclosing Protector User Manual</p> <p>Comprehensive user manual for the SMTONOFF WiFi Smart Metering Breaker, an auto-reclosing protector and energy meter for AC circuits. Features include remote control via Tuya Smart/Smart Life app, voice control, adjustable protections (over/under voltage, overcurrent, leakage), prepaid metering, and local manual operation. Includes specifications, functional features, setup guide, and wiring diagram.</p>
	<p>GEYA WiFi Series Intelligent Miniature Circuit Breaker - Operating Instructions</p> <p>Detailed operating instructions and FAQs for the GEYA WiFi Series Intelligent Miniature Circuit Breaker (ZJSB9 series). Learn about installation, setup, troubleshooting, safety, and application for smart home electrical protection.</p>
	<p>Siemens 8DQ1 Gas-Insulated Switchgear up to 550 kV</p> <p>Detailed information on the Siemens 8DQ1 gas-insulated switchgear (GIS), a high-performance and reliable solution for power transmission and distribution networks, operating up to 550 kV, 63 kA, and 5000 A. Covers technical specifications, components, operation, installation, and quality assurance.</p>
	<p>Sonoff WiFi Intelligent Circuit Breaker 1P User Manual</p> <p>User manual for Sonoff WiFi Intelligent Circuit Breaker 1P, covering setup, eWelink app pairing, installation, wiring, troubleshooting, warranty, and disposal information.</p>
	<p>Tongou TOQCB1-TJ-100 WiFi Metering Circuit Breaker: Operating Manual & Features</p> <p>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.</p>