**SEEIRIR TOMPD-63WIFI**

# TOMPD-63WIFI Smart Circuit Breaker User Manual

Model: TOMPD-63WIFI | Brand: SEEIRIR

## 1. Introduction

This user manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of the TOMPD-63WIFI Smart Circuit Breaker. This device is designed to provide advanced electrical protection and smart control capabilities for your electrical circuits.
Key features include:

- Overload Protection
- Short Circuit Protection
- Over Voltage Protection
- Under Voltage Protection
- Leakage Protection
- Energy Metering and Timer Functionality
- Wi-Fi Connectivity for Smart Control (TUYA compatible)

Please read this manual carefully before installation and use to ensure safe and efficient operation.

## 2. Product Overview

The TOMPD-63WIFI is a miniature circuit breaker with integrated smart features. It is designed for DIN rail mounting and provides real-time monitoring and control of electrical parameters.




Figure 2.1: Front view of the TOMPD-63WIFI Smart Circuit Breaker, showing the display screen, control buttons (SET, S, P, T), and input/output terminals.




Figure 2.2: Angled view of the TOMPD-63WIFI Smart Circuit Breaker, highlighting its compact design suitable for DIN rail installation.

## 3. Safety Information

**WARNING:** Installation and maintenance should only be performed by qualified electricians. Ensure power is disconnected before any installation or wiring work.

- Do not operate the device if it is damaged.
- Ensure proper grounding.
- Adhere to all local electrical codes and regulations.
- This device is designed for indoor use only.

## 4. Setup and Installation

### 4.1 Unpacking

Carefully remove the circuit breaker from its packaging. Inspect for any signs of damage during transit. The package should contain the TOMPD-63WIFI unit and this user manual.

### 4.2 Wiring Diagram

The device features clear input (IN) and output (OUT) terminals. Connect the incoming live (L) and neutral (N) wires to the "IN" terminals at the top. Connect the load's live (L) and neutral (N) wires to the "OUT" terminals at the bottom.
**Note:** The device is designed for single-phase 220V AC systems. Ensure correct polarity (Live and Neutral) during connection.

### 4.3 DIN Rail Mounting

The TOMPD-63WIFI is designed for standard 35mm DIN rail mounting. Simply clip the device onto the DIN rail in your electrical distribution box. The container can be disassembled without the need for tools, making it convenient and easy to install.

### 4.4 Wi-Fi Connection (TUYA Smart Life App)

1. Download the "Smart Life" or "Tuya Smart" app from your mobile app store.
2. Register or log in to your account.
3. Ensure the circuit breaker is powered on. The Wi-Fi indicator on the device should be blinking rapidly. If not, press and hold the 'SET' button for 5-7 seconds until it blinks rapidly to enter pairing mode.
4. In the app, tap '+' to add a device. Select "Electrical Engineering" > "Circuit Breaker (Wi-Fi)".
5. Follow the on-screen instructions to connect the device to your 2.4GHz Wi-Fi network.
6. Once connected, you can rename the device and access its smart features.

## 5. Operating Instructions

### 5.1 Display and Indicators

The LCD display shows real-time electrical parameters such as voltage (V), current (A), power (kW/h), and leakage current (mA). Status indicators for Wi-Fi, voltage, current, and leakage protection are also present.

### 5.2 Button Functions

- **SET Button:** Used to enter settings menu, confirm selections, or initiate Wi-Fi pairing mode (long press).
- **S (Up) Button:** Navigate up or increase values in settings.
- **P (Down) Button:** Navigate down or decrease values in settings.
- **T (Toggle/Trip) Button:** Used to manually trip the breaker or cycle through display modes.

### 5.3 Smart Life App Functions

Through the Smart Life/Tuya Smart app, you can:

- Remotely turn the circuit breaker ON/OFF.
- Monitor real-time voltage, current, and power consumption.
- Set overload, over-voltage, under-voltage, and leakage protection thresholds.
- Schedule ON/OFF times using the timer function.
- View historical energy consumption data.
- Configure automatic re-connection settings (reconnect time is adjustable).

## 6. Maintenance

The TOMPD-63WIFI circuit breaker requires minimal maintenance. Regular checks can ensure its longevity and proper functioning.

- **Periodic Inspection:** Visually inspect the device and its wiring connections annually for any signs of wear, damage, or loose connections.
- **Cleaning:** If necessary, gently wipe the exterior of the device with a dry, soft cloth. Do not use abrasive cleaners or solvents. Ensure power is off before cleaning.
- **Firmware Updates:** Keep the Smart Life/Tuya Smart app updated to receive potential firmware updates for the device, which may improve performance or add new features.

## 7. Troubleshooting

| Problem | Possible Cause | Solution |
|---|---|---|
| Device does not power on. | No input power; incorrect wiring. | Check main power supply. Verify wiring connections (L and N) are correct and secure. |
| Wi-Fi indicator not blinking/cannot connect to app. | Not in pairing mode; incorrect Wi-Fi password; 5GHz Wi-Fi network. | Long press 'SET' button to enter pairing mode. Ensure correct 2.4GHz Wi-Fi network and password. Move device closer to router. |
| Circuit breaker trips frequently. | Overload; short circuit; over/under voltage; leakage. | Check connected load for excessive current draw. Inspect wiring for short circuits. Verify input voltage is within rated range (85-300V). Check for ground faults or leakage. Adjust protection thresholds in app if necessary (with caution). |
| Remote control via app is unresponsive. | No internet connection; device offline; app issue. | Check your home internet connection. Verify the device's Wi-Fi indicator is solid (connected). Restart the app or your mobile device. |

## 8. Specifications

| Parameter | Value |
|---|---|
| Model Number | TOMPD-63WIFI |
| Rated Current | 1-63A (Adjustable) |
| Rated Voltage | AC 220V (Operating Range: 85-300V) |
| Protection Features | Over Current, Over Voltage, Under Voltage, Leakage, Short Circuit |
| Connectivity | Wi-Fi (2.4GHz, TUYA Smart Life compatible) |
| Installation | 35mm DIN Rail |
| Dimensions (Approx.) | 1.18 x 0.79 x 0.39 inches |
| Weight (Approx.) | 10.58 ounces |
| Certification | CE |

## 9. Warranty and Support

### 9.1 Warranty Information

This product comes with a standard manufacturer's warranty. Please refer to your purchase documentation or contact your retailer for specific warranty terms and conditions. The warranty typically covers defects in materials and workmanship under normal use.

### 9.2 Technical Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact the manufacturer or your point of purchase. When contacting support, please have your product model number (TOMPD-63WIFI) and purchase date ready.
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