

## TOMPD-63SW

# Generic TOMPD-63SW WiFi Smart Switch User Manual

Model: TOMPD-63SW

## 1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of the Generic TOMPD-63SW WiFi Smart Switch. This device is a smart circuit breaker designed for electrical protection and remote control, featuring Kwh metering, voltage, current, and leakage protection. Please read this manual thoroughly before use and retain it for future reference.

## 2. SAFETY INFORMATION

**WARNING: Risk of Electric Shock. Installation and servicing should only be performed by qualified personnel.**

- Always disconnect power before installing or servicing the device.
- 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 provide adequate protection against environmental factors.
- The device must be properly grounded.

## 3. PRODUCT OVERVIEW

### 3.1 Key Features

- WiFi Connectivity:** Remote control and monitoring via SmartLife/Tuya app.
- Metering Function:** Real-time display and recording of Kwh, voltage, and current.
- Comprehensive Protection:** Over-current, over-voltage, under-voltage, and leakage protection.
- Timer Functionality:** Schedule on/off times for connected circuits.
- Durable Construction:** Flame-retardant and UV-resistant housing with insulating materials.
- Secure Connections:** Screw-type terminals for stable electrical connections.

### 3.2 Device Components

The TOMPD-63SW WiFi Smart Switch features a clear LED display and intuitive control buttons for local operation and status indication.



Figure 1: Front view of the TOMPD-63SW WiFi Smart Switch, showing the LED display for voltage, current, and power, along with control buttons.

# Electricity statistics Real-time data display

LED liquid crystal display smart Current/voltage/leakage value/Kwh



Figure 2: Detailed view of the LED display, highlighting real-time electricity statistics including voltage (V), current (A), and power (kW).

The device includes input (IN) and output (OUT) terminals for electrical connections, and a standard DIN rail mounting mechanism for easy installation in electrical panels.



Figure 3: Top and bottom view of the smart switch, illustrating the DIN rail mounting clip and terminal connections.

## 4. SETUP AND INSTALLATION

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### 4.1 Mechanical Installation

1. **Mounting:** Securely attach the TOMPD-63SW to a standard 35mm DIN rail in your electrical panel. Ensure it clicks firmly into place.
2. **Space:** Allow adequate ventilation space around the device.

### 4.2 Electrical Wiring

**CAUTION:** Ensure power is OFF at the main breaker before proceeding with wiring.

1. **Identify Terminals:** Locate the "IN" (Input) and "OUT" (Output) terminals on the device. The input terminals are typically at the top, and output at the bottom.
2. **Connect Input Power:** Connect the incoming live (L) and neutral (N) wires from your power source to the respective "IN" terminals.
3. **Connect Load:** Connect the live (L) and neutral (N) wires of the circuit or appliance you wish to control to the respective "OUT" terminals.

4. **Secure Connections:** Tighten all screw-type terminals firmly to prevent loose connections, which can cause overheating or malfunction.
5. **Grounding:** Ensure proper grounding for the entire electrical system.

### 4.3 WiFi Connection (SmartLife/Tuya App)

1. **Download App:** Download and install the "SmartLife" or "Tuya Smart" app from your mobile device's app store.
2. **Register/Login:** Create an account or log in to your existing account.
3. **Power On Device:** Restore power to the TOMPD-63SW. The WiFi indicator on the device should start blinking rapidly. If not, press and hold the "SET" button for 5-7 seconds until it blinks rapidly to enter pairing mode.
4. **Add Device:** In the app, tap "+" to add a new device. Select "Electrical Engineering" > "Circuit Breaker (Wi-Fi)" or similar.
5. **Connect to WiFi:** Follow the in-app instructions to connect the device to your 2.4GHz WiFi network. Enter your WiFi password when prompted.
6. **Confirmation:** Once connected, the WiFi indicator on the device will become solid, and the device will appear in your app.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Manual Operation

- **Power On/Off:** Press the **Power Button** (often labeled with a circle and vertical line) on the front panel to manually switch the circuit breaker on or off.
- **Display Navigation:** Use the **SET** button or arrow buttons (if present) to cycle through different display parameters like voltage, current, power, and Kwh.

### 5.2 App Control and Monitoring

Once connected to the SmartLife/Tuya app, you can access various functions:

- **Remote On/Off:** Toggle the circuit breaker status from anywhere via the app.
- **Real-time Monitoring:** View live voltage, current, power consumption (Kwh), and leakage status.
- **Scheduling:** Set timers and schedules for automatic on/off operations.
- **Protection Settings:** Adjust thresholds for over-current, over-voltage, under-voltage, and leakage protection (if supported by the app version).
- **Historical Data:** Access historical power consumption data.

### 5.3 Protection Functions

The TOMPD-63SW automatically trips (switches off) the circuit in case of:

- **Over-current:** When the current exceeds the set limit.
- **Over-voltage:** When the voltage exceeds the set limit.
- **Under-voltage:** When the voltage drops below the set limit.
- **Leakage:** When a leakage current is detected.

After a trip, identify and resolve the fault before manually resetting the breaker via the app or the physical button.

## 6. MAINTENANCE

- **Cleaning:** Keep the device clean and free from dust. Use a dry, soft cloth for cleaning. Do not use liquid cleaners.
- **Inspection:** Periodically inspect wiring connections for tightness and signs of wear or damage.
- **Firmware Updates:** Check the SmartLife/Tuya app for available firmware updates to ensure optimal performance and security.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	No input power; incorrect wiring.	Check main breaker. Verify input wiring (L and N).
WiFi indicator not blinking/cannot pair.	Not in pairing mode; incorrect WiFi band.	Press and hold SET button for 5-7 seconds. Ensure your router is 2.4GHz.
Device trips frequently.	Overload, short circuit, voltage fluctuation, or leakage.	Check connected load for faults. Verify power supply stability. Inspect for leakage. Adjust protection thresholds if necessary (via app).
Incorrect metering readings.	Loose connections; device malfunction.	Check all wiring connections. If problem persists, contact support.

## 8. SPECIFICATIONS

- **Model Number:** TOMPD-63SW
- **Rated Current:** Up to 63A
- **Rated Voltage:** 110V / 230V
- **Protection Features:** Over-current, Over-voltage, Under-voltage, Leakage Protection
- **Connectivity:** WiFi (2.4GHz)
- **Metering:** Kwh, Voltage, Current
- **Certification:** CE
- **Item Weight:** 3.53 ounces
- **Package Dimensions:** 0.39 x 0.39 x 0.39 inches

## 9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the retailer's policy or contact the manufacturer directly. Keep your purchase receipt as proof of purchase.

