



[Manuals.plus](#) /

› [Jadeshay](#) /

› Jadeshay 1P-JL-63 WiFi Smart Circuit Breaker User Manual

## Jadeshay 1P-JL-63

# Jadeshay 1P-JL-63 WiFi Smart Circuit Breaker User Manual

Model: 1P-JL-63 | Brand: Jadeshay

## 1. INTRODUCTION

---

The Jadeshay 1P-JL-63 WiFi Smart Circuit Breaker is an advanced electrical device designed for intelligent energy management and circuit protection. It integrates WiFi connectivity for remote control, real-time monitoring, and voice control capabilities, making it suitable for a wide range of applications including homes, schools, industrial settings, and laboratories. This manual provides essential information for the safe and effective installation, operation, and maintenance of your smart circuit breaker.

# WiFi smart circuit breaker



Timing opening and closing

Short circuit protection

Remote switch

Voice control

Rail installation



Image 1.1: Overview of the Jadeshay WiFi Smart Circuit Breaker, illustrating its key features such as timing, short circuit protection, remote switch, voice control, and rail installation compatibility.

# Wide range of applications

Smart switches are suitable for most scenarios with DIN rails



Electric power metering system



School



Market



household appliances



Industry



laboratory

Image 1.2: Examples of where the Jadeshay Smart Circuit Breaker can be used, including electric power metering systems, schools, markets, household appliances, industry, and laboratories.

## 2. SAFETY INFORMATION

**WARNING: Electrical installation should only be performed by qualified personnel. Always disconnect power before installation or maintenance to prevent electric shock.**

- Ensure the circuit breaker is installed in a dry environment, away from moisture and direct sunlight.
- Do not exceed the rated current and voltage specifications of the device.
- The device is constructed from high-quality PC flame-retardant material for enhanced safety.
- This circuit breaker provides multiple protections including over-voltage, under-voltage, over-current, and leakage protection. However, proper installation and adherence to electrical codes are paramount.
- Regularly inspect the device for any signs of damage or wear.

### 3. PACKAGE CONTENTS

---

Verify that all items are present in the package:

- 1 x Jadeshay WiFi Smart Circuit Breaker (Model: 1P-JL-63)
- 1 x Transformer
- 1 x User Manual (English)

### 4. PRODUCT FEATURES

---

The Jadeshay 1P-JL-63 Smart Circuit Breaker offers a range of advanced features for intelligent power management:

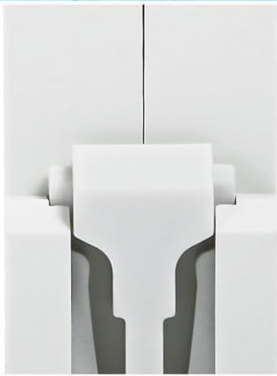
- **Smart Control & WiFi Connectivity:** Connects via WiFi for seamless integration with smart home systems and remote control via a mobile application.
- **Real-time Monitoring:** Monitor total power consumption, current, voltage, and power directly from your mobile phone.
- **Voice Control:** Compatible with Amazon Alexa and Google Assistant for hands-free operation.
- **Precision Measurement:** High-performance chips ensure accurate energy measurement with an error margin of less than 0.3%.
- **Multiple Safety Protections:** Includes over-voltage, under-voltage, over-current, and leakage protection.
- **Fireproof Material:** Constructed from high-quality PC flame-retardant material for durability and safety.
- **DIN Rail Installation:** Designed for easy installation on a standard 35mm DIN rail without screws.
- **Visual Indicator:** Equipped with color indicator lights to clearly show the working status.



**Power switch button**  
Comfortable and convenient operation,  
beautiful appearance

## Visualization panel

LED work indicator light, working  
status is clear at a glance



**Positioning buckle**  
Opens with one press, making installation  
more convenient

Image 4.1: Detailed view of the circuit breaker's components, including the power switch button for comfortable operation, the visualization panel with LED indicator lights, and the positioning buckle for easy installation.

## 5. SETUP AND INSTALLATION

---

### 5.1 Mechanical Installation

1. **Mounting:** The circuit breaker is designed for installation on a standard 35mm DIN rail. Simply align the device with the rail and press the positioning buckle to secure it. No screws are required for mounting.
2. **Space:** Ensure adequate space around the device for ventilation and access.

## DIN35mm standard rail installation



Image 5.1: Illustration of the DIN35mm standard rail installation, showing that no screws are required, making it easy, compact, and convenient to install.

### 5.2 Electrical Wiring

**IMPORTANT: Ensure power is OFF before performing any wiring. Incorrect wiring can lead to electric shock or damage to the device.**

1. Identify the Live (L) and Neutral (N) lines of your electrical circuit.
2. Connect the incoming Live line to the 'L' terminal at the top of the circuit breaker.
3. Connect the incoming Neutral line to the 'N' terminal at the top of the circuit breaker.
4. Connect the outgoing Live line (to the load) to the 'L' terminal at the bottom of the circuit breaker.
5. Connect the outgoing Neutral line (to the load) to the 'N' terminal at the bottom of the circuit breaker.
6. Ensure all connections are secure and tight.

# Wiring reference

- Live line
- Neutral line

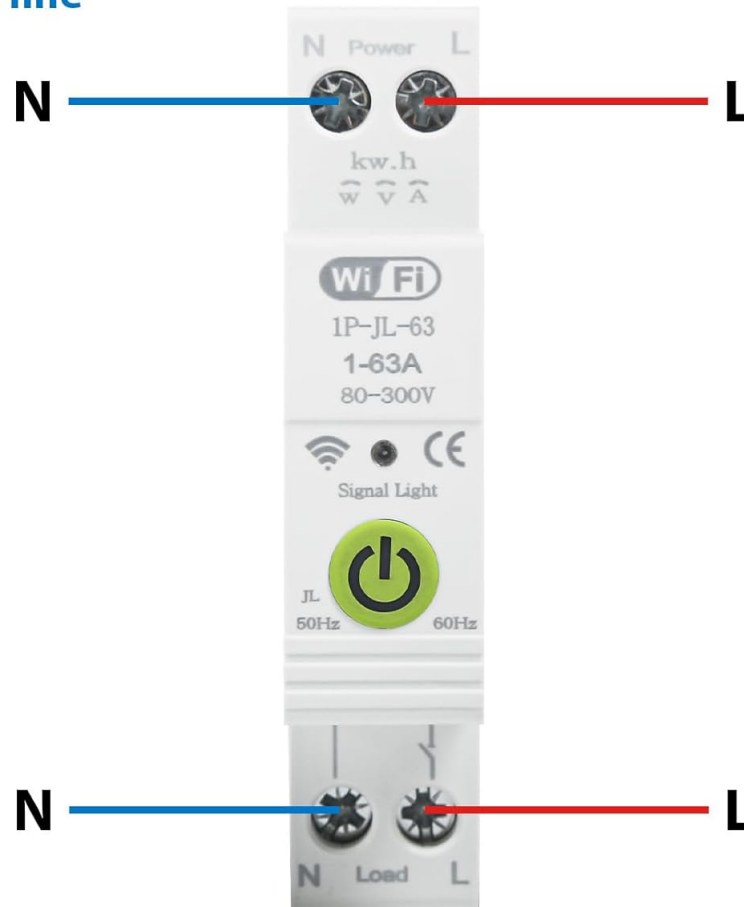


Image 5.2: Wiring diagram showing the correct connection points for the Live (red) and Neutral (blue) lines at both the input (top) and output (bottom) terminals of the circuit breaker.

## 5.3 App Connection (Tuya Smart APP)

1. Download the **Tuya Smart APP** from your mobile device's app store (iOS or Android).
2. Register or log in to your Tuya Smart account.
3. Ensure your mobile device is connected to a 2.4 GHz WiFi network.
4. Power on the circuit breaker. The WiFi indicator light should start blinking (refer to the app for specific pairing instructions, as blinking patterns may vary).
5. In the Tuya Smart APP, tap '+' to add a new device. Follow the on-screen instructions to connect the circuit breaker to your WiFi network.
6. Once connected, you can rename the device and access its features within the app.

## 6. OPERATING INSTRUCTIONS

---

## 6.1 Manual Operation

The circuit breaker has a physical power switch button on its front panel. Press this button to manually turn the connected circuit ON or OFF.

## 6.2 Remote Control via Tuya Smart APP

After successful app connection:

- **Switch Control:** Tap the device icon in the app to turn the circuit ON or OFF remotely.
- **Real-time Monitoring:** View current, voltage, power, and total energy consumption data in real-time within the app interface.
- **Timing & Scheduling:** Set schedules for automatic ON/OFF operations, countdown timers, or cycle timings for connected appliances.
- **Scenario Automation:** Create smart scenarios to automate actions based on conditions like time, weather, or other smart devices.

# Intelligent operation, remote control

The mobile APP sets the switch status (countdown, cycle timing) of the equipment in different scenarios and remotely monitors the real-time status of the load equipment



Image 6.1: Screenshot of the mobile application demonstrating intelligent operation and remote control capabilities, including real-time monitoring of energy usage and control over various household appliances.

## 6.3 Voice Control

Integrate the Jadeshay Smart Circuit Breaker with voice assistants:

1. **For Amazon Alexa:** Link your Tuya Smart account in the Alexa app. Once linked, you can use commands like, "Alexa, turn on [Device Name]" or "Alexa, turn off [Device Name]".
2. **For Google Assistant:** Link your Tuya Smart account in the Google Home app. Use commands such as, "Hey Google, turn on [Device Name]" or "Hey Google, turn off [Device Name]".

## 7. MAINTENANCE

---

To ensure optimal performance and longevity of your Jadeshay Smart Circuit Breaker:

- Keep the device clean and free from dust. Use a dry, soft cloth for cleaning.
- Do not use liquid cleaners or solvents.
- Periodically check electrical connections to ensure they remain tight and secure.
- Avoid exposing the device to extreme temperatures or high humidity.
- If the device trips frequently, investigate the cause of the overload or fault before resetting.

## 8. TROUBLESHOOTING

---

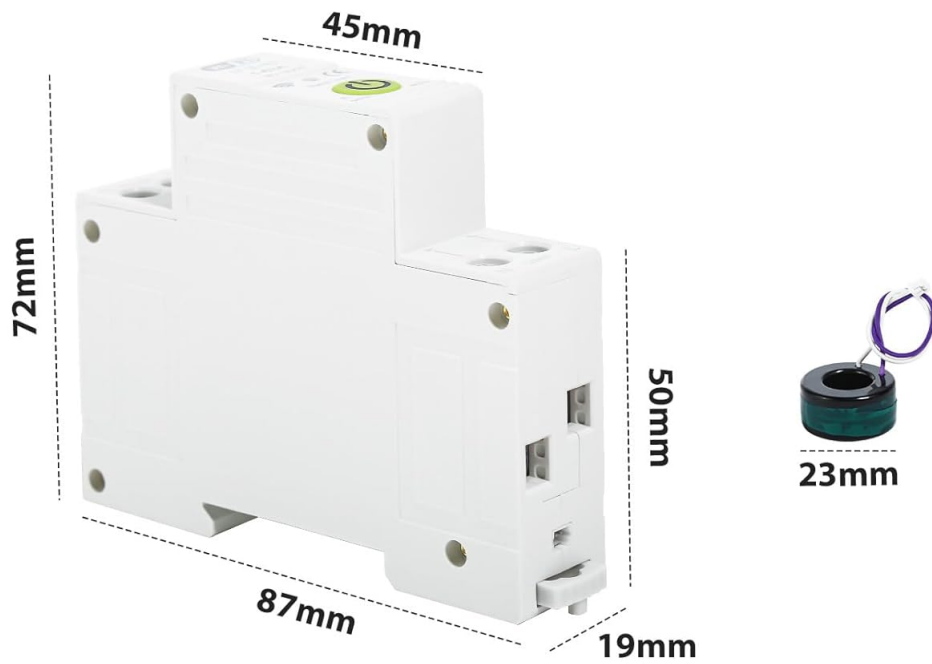
If you encounter issues with your Jadeshay Smart Circuit Breaker, refer to the following:

- **Device not powering on:** Check the main power supply. Ensure the circuit breaker is correctly wired and securely mounted.
- **No WiFi connection:** Ensure your router is powered on and broadcasting a 2.4 GHz network. Verify the WiFi password. Try resetting the circuit breaker and re-pairing with the Tuya Smart APP.
- **Remote control not working:** Check your internet connection and the device's WiFi status in the app. Ensure the app is updated to the latest version.
- **Voice control not responding:** Confirm that your Tuya Smart account is correctly linked to Alexa or Google Assistant. Check the device name for consistency.
- **Circuit breaker trips frequently:** This indicates an electrical fault (overload, short circuit, leakage). Disconnect appliances one by one to identify the faulty device or consult a qualified electrician.
- **Inaccurate energy readings:** Ensure the transformer is correctly installed and connected as per the wiring diagram.

## 9. SPECIFICATIONS

---

Parameter	Value
Connection Platform	Tuya Smart APP
Material	PC flame retardant material
Rated Current	63A
Rated Voltage	AC 230V
Operating Voltage Range	80-400VAC
Overvoltage Protection Range	120-300V (adjustable)
Undervoltage Protection Range	80-210V (adjustable)
Rated Frequency	50/60Hz
WiFi Frequency	2.4 GHz
Installation Method	35mm DIN rail
Ambient Temperature Range	-30°C to 70°C
Product Size	8.6 x 5 x 1.8 cm
Item Weight	118 g
Number of Poles	1



<b>Connection platform:</b>	Tuya Smart APP	<b>Overvoltage:</b>	120-300V (setting range adjustable)
<b>Material:</b>	PC flame retardant material	<b>Undervoltage:</b>	80-210V (setting range adjustable)
<b>Rated current:</b>	63A	<b>Rated frequency:</b>	50/60Hz
<b>Rated voltage:</b>	230V AC	<b>WiFi frequency:</b>	2.4GHZ
<b>Working voltage range:</b>	80-400VAC	<b>Installation method:</b>	DIN rail 35mm

Image 9.1: Visual representation of the circuit breaker's dimensions and a summary of its technical specifications.

## 10. WARRANTY AND SUPPORT

Jadeshay products are designed for reliability and performance. For warranty information or technical support, please refer to the documentation provided with your purchase or contact Jadeshay customer service through their official channels. Keep your purchase receipt as proof of purchase. For further assistance, please visit the Jadeshay official website or contact your retailer.