## Sonew Sonewzd2mr9p3qf452-12

# Sonew Smart WiFi Circuit Breaker 16A User Manual

Model: Sonewzd2mr9p3qf452-12

## INTRODUCTION

The Sonew Smart WiFi Circuit Breaker 16A is designed to provide intelligent control and monitoring of your home appliances. This device allows for remote operation, scheduling, and real-time energy consumption tracking, enhancing convenience and safety in your smart home environment.

## PRODUCT FEATURES

- **Remote Monitoring and Control:** Remotely monitor the operational status of your equipment and control its ON/OFF state through a mobile application.
- **Smart Home Integration:** Monitor the usage of all household appliances and control them remotely with intelligent scheduling.
- **Three Timing Modes:** Includes timing mode, countdown mode, and cycle timing, allowing for flexible scheduling of appliance operation.
- **High-Quality Construction:** Features high-precision copper-manganese, PA66 flame-retardant material for high-temperature resistance, ensuring safety and durability.
- **Safety Protections:** Equipped with colorful indicator lights for clear status indication. Supports short-circuit protection and overload protection.
- **Energy Measurement Function:** Real-time display of current, voltage, and power, with historical energy consumption data.

# INTERRUPTEUR DIN RAIL WIFI

## Rendez votre installation intelligente grâce à vos idées DIY

### Contrôle à distance via smartphone – Édition Tuya Smart

- ⏰ Mode programmé
- 🕐 Mode compte à rebours
- ⌛ Programmation cyclique
- 📊 Fonction de mesure énergétique

Image: Sonew Smart WiFi Circuit Breaker highlighting its programmed mode, countdown mode, cyclic programming, and energy measurement function.

## SAFETY INFORMATION

Please read all safety instructions before installation and operation. Failure to follow these instructions may result in electric shock, fire, or other serious injury.

- Installation should be performed by a qualified electrician in accordance with local electrical codes.
- Ensure the main power supply is disconnected before any installation or maintenance.
- Do not operate the device with wet hands or in damp conditions.
- Verify correct wiring connections to prevent damage to the device or connected appliances.
- The device is designed for indoor use only.

## PACKAGE CONTENTS

The package typically includes:

- 1 x Sonew Smart WiFi Circuit Breaker 16A

- 1 x User Manual (this document)

## SPECIFICATIONS

| Parameter | Value |
|---|---|
| Brand | Sonew |
| Model Number | Sonewzd2mr9p3qf452-12 |
| Rated Current | 16 A |
| Voltage | 230 Volts |
| Number of Poles | 1 |
| Mounting Type | DIN Rail Mount |
| Product Dimensions | 1.8P x 6.8W x 8.2H cm (approx. 18mm width, 82mm height, 50mm depth) |
| Material | PA66 Flame-retardant |

# Paramètres du produit
# Améliorez votre quotidien

(avec mesure) ▸

## SETUP

### 1. Electrical Installation and Wiring

Before proceeding, ensure the main power supply is turned OFF at the circuit breaker panel to prevent electric shock.

1. Mount the Sonew Smart WiFi Circuit Breaker onto a standard DIN rail.
2. Connect the incoming power cable (Live and Neutral) to the upper terminals marked 'N' (Neutral) and 'L' (Live/Power).
3. Connect the outgoing load cable (to your appliance) to the lower terminals marked 'N' (Neutral) and 'L' (Load).
4. Ensure all connections are secure and properly insulated.



Câblage monocanal

**Port de câblage de type tunnel pour un câblage plus sécurisé.**

Clip de positionnement

**Ouverture facile par pression. Installation simple.**

Image: Details of the single-channel wiring port and positioning clip for installation.

### 2. App Pairing and Wi-Fi Connection

This device uses the Smart Life or Tuya Smart app for control.

1. Download the 'Smart Life' or 'Tuya Smart' app from your mobile device's app store (iOS or Android).

2. Register or log in to your account in the app.

3. Ensure your phone's Bluetooth and Wi-Fi are enabled.

4. Turn ON the main power supply to the circuit breaker. The LED indicator on the device should start flashing.

5. If the LED is not flashing, long-press the power button on the circuit breaker for approximately 5-10 seconds until the LED indicator slowly flashes blue. This indicates pairing mode.

6. In the app, a pop-up window might appear prompting you to add a new device. If not, tap the '+' icon in the upper right corner of the app, then select 'Add Device'. The app should automatically discover the circuit breaker.

7. Follow the on-screen prompts to confirm the device and enter your 2.4GHz Wi-Fi network password.

8. Wait for the device to connect to your Wi-Fi network. Once connected, the LED indicator will turn solid blue, and the device will appear in your app.

# Come si usa

1. Collegare il cavo dall'estremità superiore dell'interruttore automatico all'estremità inferiore, assicurandosi che il cablaggio sia corretto e che il segnale Wi-Fi sia forte.
2. Attivare il Bluetooth e il Wi-Fi del telefono, aprire l'APP, quindi premere a lungo il pulsante di accensione, attendere circa 5-10 secondi, l'indicatore LED lampeggerà lentamente in blu.
3. Dopo aver atteso un po', si aprirà la finestra pop-up; fare clic sul + nell'angolo in alto a destra, quindi selezionare il pulsante Aggiungi dispositivo e attendere che il dispositivo venga riconosciuto. 4. Inserisci la password dell'account Wi-Fi e fai clic su Avanti, quindi attendi la connessione alla rete.
5. Connettiti alla rete.

Image: Visual guide for app pairing and Wi-Fi connection steps.

## OPERATING INSTRUCTIONS

## 1. LED Indicator Status

- **Solid Blue Light:** The circuit breaker is ON.
- **Light OFF:** The circuit breaker is OFF or in off-grid mode. (Note: In off-grid mode, the manual switch has no status indicator. Exercise caution during operation.)
- **Slowly Flashing Blue Light:** The product is in pairing mode.



Image: Explanation of LED indicator light meanings.

## 2. Remote Control

Once paired with the app, you can control the circuit breaker from anywhere with an internet connection:

- Open the Smart Life/Tuya Smart app.
- Select your Sonew Smart WiFi Circuit Breaker from the device list.
- Tap the ON/OFF button to toggle the power supply to connected appliances.

## 3. Timing Modes

The app allows you to set various schedules for automated control:

- **Timing Mode:** Set specific times for the circuit breaker to turn ON or OFF on selected days.

- **Countdown Mode:** Set a countdown timer after which the circuit breaker will change its state (e.g., turn off after 2 hours).

- **Cycle Timing:** Program repetitive ON/OFF cycles within a specified period (e.g., turn on for 30 minutes, then off for 1 hour, repeating daily).

## 4. Energy Monitoring

The circuit breaker provides real-time and historical energy consumption data:

- In the app, navigate to the device interface.

- View real-time current, voltage, and power consumption.

- Access historical data, typically displayed by year, month, day, or hour, to track energy usage patterns.
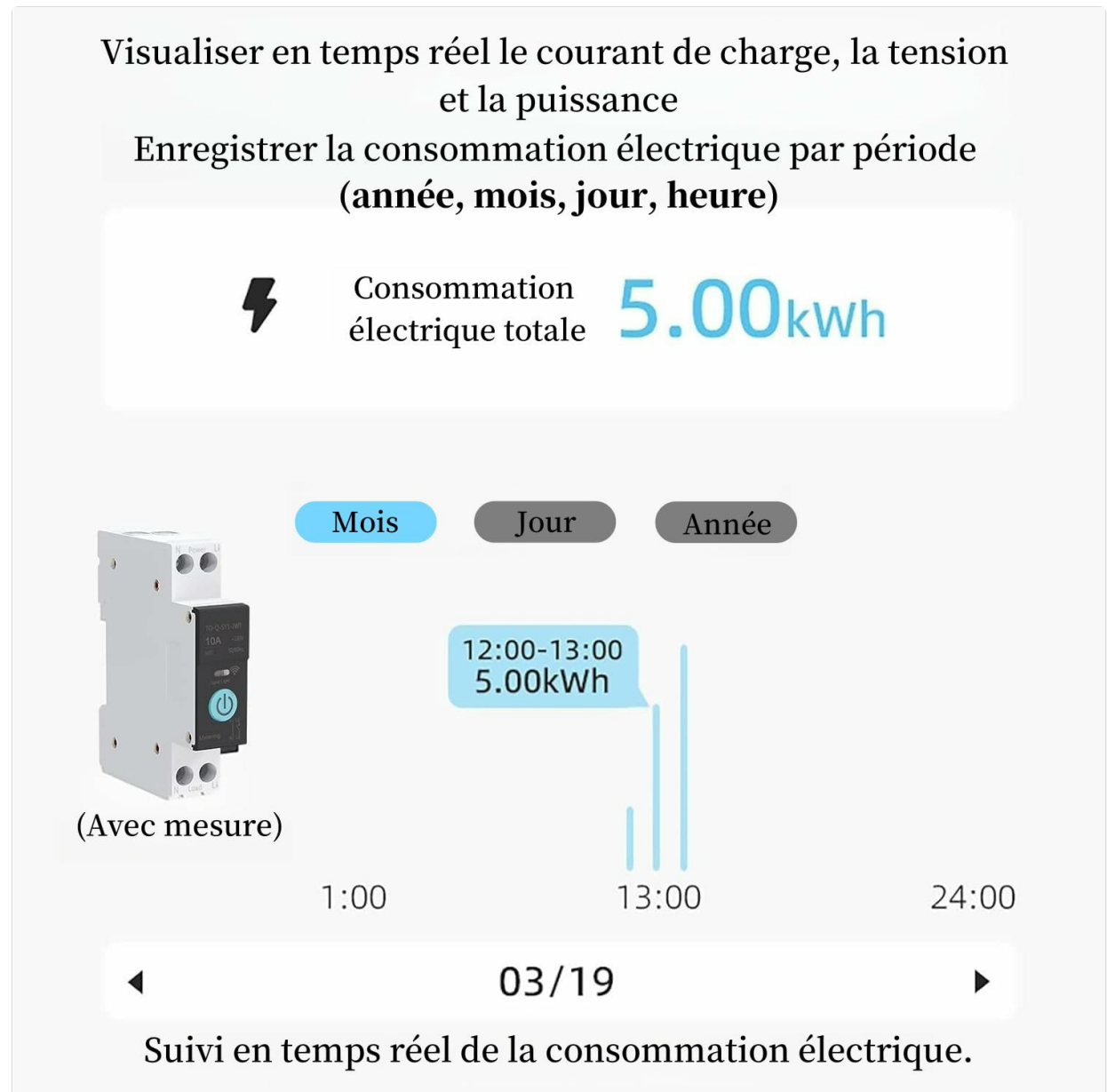


Image: Real-time energy consumption monitoring interface in the app.

## MAINTENANCE

The Sonew Smart WiFi Circuit Breaker requires minimal maintenance. Follow these guidelines to ensure optimal performance and longevity:

- **Cleaning:** Periodically wipe the exterior of the device with a dry, soft cloth. Do not use abrasive

cleaners or solvents.

- **Firmware Updates:** Check the Smart Life/Tuya Smart app regularly for any available firmware updates for your device. Updates can improve performance and add new features.

- **Connection Check:** Occasionally verify that all electrical connections are secure and free from corrosion. Ensure the Wi-Fi signal remains strong for reliable operation.

## TROUBLESHOOTING

If you encounter issues with your Sonew Smart WiFi Circuit Breaker, refer to the following common problems and solutions:

- **Device Not Connecting to Wi-Fi:**
  - Ensure your Wi-Fi network is 2.4GHz. The device does not support 5GHz Wi-Fi.
  - Check that your Wi-Fi password is correct.
  - Make sure the device is in pairing mode (slowly flashing blue LED). If not, long-press the power button to enter pairing mode.
  - Move the device closer to your Wi-Fi router to improve signal strength.
  - Restart your Wi-Fi router and try pairing again.

- **Device Not Responding to App Commands:**
  - Check your internet connection on your mobile device.
  - Verify that the circuit breaker is connected to Wi-Fi (solid blue LED).
  - Restart the app.
  - If the issue persists, try re-pairing the device with the app.

- **Overload/Short-Circuit Protection Tripping:**
  - Disconnect the connected appliance(s) and check for faults.
  - Ensure the total current drawn by connected devices does not exceed the circuit breaker's 16A rating.
  - Consult a qualified electrician if the issue persists after checking connected loads.

## WARRANTY INFORMATION

Sonew products are manufactured to high-quality standards. This product comes with a standard manufacturer's warranty against defects in materials and workmanship from the date of purchase. Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by improper installation, misuse, unauthorized modifications, or natural disasters.

## SUPPORT

For further assistance, technical support, or warranty inquiries, please contact Sonew customer service through the retailer where the product was purchased or visit the official Sonew website for contact information.