TONGOU MP65-SY1

TONGOU Wi-Fi Smart Circuit Breaker User Manual

Model: MP65-SY1

PRODUCT OVERVIEW

The TONGOU Wi-Fi Smart Circuit Breaker is an intelligent device designed for remote control, energy monitoring, and protection against short circuits. It integrates seamlessly into your smart home system via Wi-Fi, offering convenience and enhanced electrical management.

Figure 1: Front view of the TONGOU Wi-Fi Smart Circuit Breaker, showing the manual switch and Wi-Fi module.

Disjoncteur & Commutateur wifi

10 amp/ 16 amp/ 25 amp/ 32 amp

230vac/ 1P+N/
35mm din-rail mount

Figure 2: Overview of the TONGOU Wi-Fi Smart Circuit Breaker, highlighting available current ratings (10A, 16A, 25A, 32A) and its DIN-rail mount design.

SETUP AND INSTALLATION

1. Unboxing and Package Contents

Carefully unpack the product and verify all contents. The package should include:

- 1 x TONGOU Wi-Fi Smart Circuit Breaker
- 1 x User Manual

2. Safety Information

WARNING: Electrical installation should only be performed by a qualified electrician. Ensure the main power supply is disconnected before any installation work to prevent electric shock. This device is not a substitute for a standard circuit breaker and should be installed in line with existing protective devices.

- Always disconnect power at the main circuit breaker before installation or maintenance.
- Ensure proper wiring according to local electrical codes.
- Do not exceed the rated current of the device.
- Keep the device away from water and excessive humidity.

3. Installation Steps

The TONGOU Wi-Fi Smart Circuit Breaker is designed for 35mm DIN rail mounting.

1. **Mounting:** Securely attach the device to a standard 35mm DIN rail in your electrical distribution box. It occupies two positions on the main switch box.

2. **Wiring:**

   - Connect the live wire (L) to the "Power L" terminal and the neutral wire (N) to the "Power N" terminal at the top of the device.
   - Connect the load's live wire (L) to the "Load L" terminal and the load's neutral wire (N) to the "Load N" terminal at the bottom of the device.
   - Ensure all connections are tight and secure. The wiring capacity is 1-10mm².

3. **Power On:** Once wiring is complete and verified, restore power to the main circuit.

Figure 3: Angled view of the device, illustrating the input and output terminals for wiring.
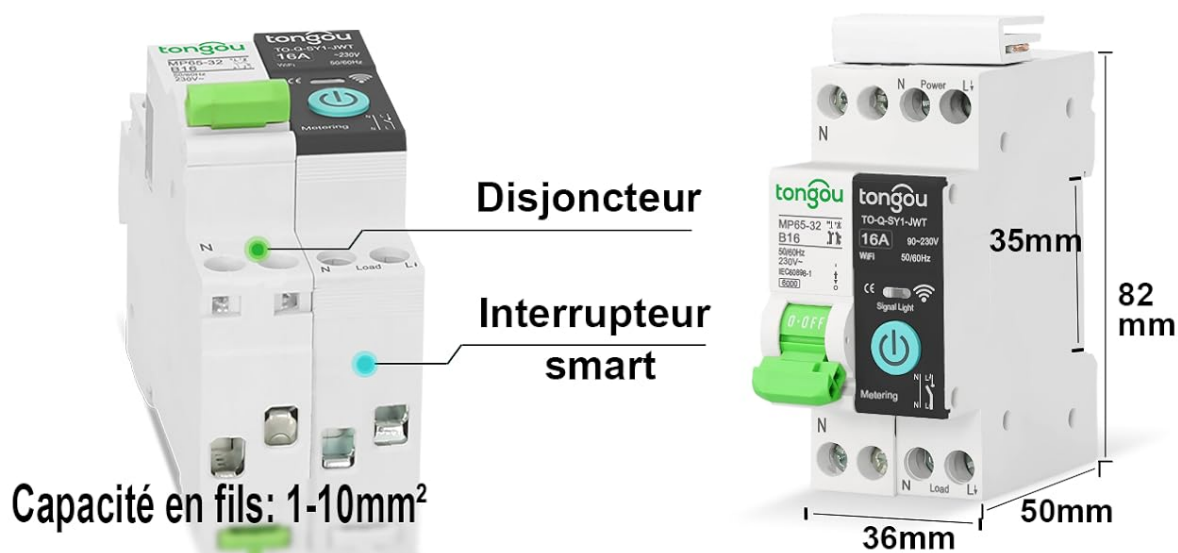

Disjoncteur

Interrupteur smart

Capacité en fils: 1-10mm²

35mm

82 mm

36mm

50mm

Figure 4: Diagram showing the dimensions of the device and its wiring capacity (1-10mm²).

OPERATING INSTRUCTIONS

1. Manual Operation and Status Indicators

The device features a manual ON/OFF switch. The visualization window indicates the status:

- **Red:** Indicates the device is ON (lighting state).
- **Black:** Indicates the device is OFF (lights out).

Figure 5: Illustration of the red (ON) and black (OFF) status indicators on the device.

2. App Pairing (Tuya / Smart Life)

To unlock smart features, pair the device with the Tuya or Smart Life app.

1. **Download App:** Download and install the "Tuya Smart" or "Smart Life" app from your mobile app store. Register or log in to your account.

2. **Enter Pairing Mode:** Ensure the device is powered on. Press and hold the power button on the Wi-Fi module for 5-10

seconds until the blue Wi-Fi indicator light starts blinking rapidly. This indicates it's in pairing mode.

3. **Add Device in App:** Open the app, tap the "+" icon (usually in the top right corner) to add a device. The app should automatically discover the "Wi-Fi Din Rail Switch".

4. **Confirm and Connect:** Follow the on-screen prompts to confirm the device and connect it to your 2.4GHz Wi-Fi network.

Figure 6: Step-by-step guide for pairing the device with the Tuya/Smart Life app, showing the blue Wi-Fi indicator and app interface.

3. Smart Features via App

Once paired, you can utilize various smart functions:

- **Remote Control:** Turn the device ON/OFF from anywhere using your smartphone.
- **Voice Control:** Compatible with Alexa and Google Assistant for hands-free operation.
- **Energy Monitoring:** Track electricity consumption in KWh (hourly, daily, monthly, yearly). The single-phase meter measures positive consumption only.
- **Timer Functions:**

  - **Automatic ON/OFF:** Schedule specific times for the device to turn on or off.
  - **Sunrise/Sunset:** Automate operations based on local sunrise and sunset times.
  - **Countdown:** Set a countdown timer for the device to turn off after a specified duration.
  - **Loop Timing:** Create repetitive ON/OFF cycles.

Figure 7: Key benefits of the smart circuit breaker, including remote control, voice control, timing modes, countdown, loop timing, and real-time energy monitoring.
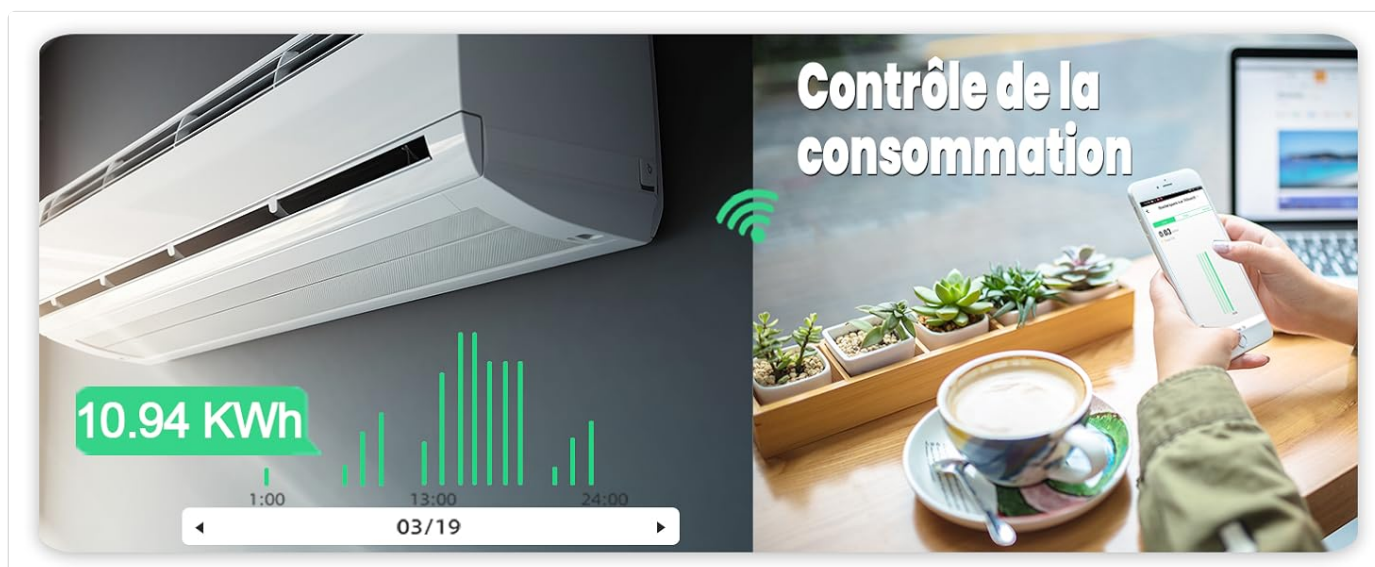

Figure 8: Example of the energy consumption monitoring interface within the app, showing KWh usage over time.
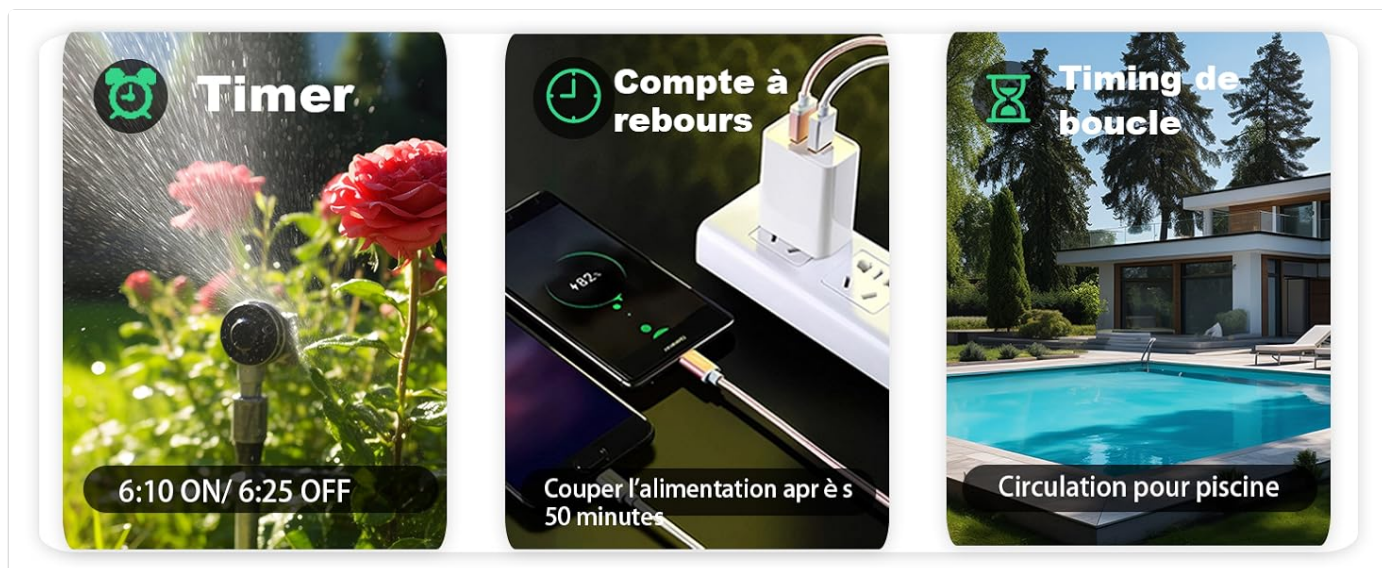
Figure 9: Visual examples of timer functions, including scheduled ON/OFF, countdown for power cutoff, and loop timing for applications like pool circulation.
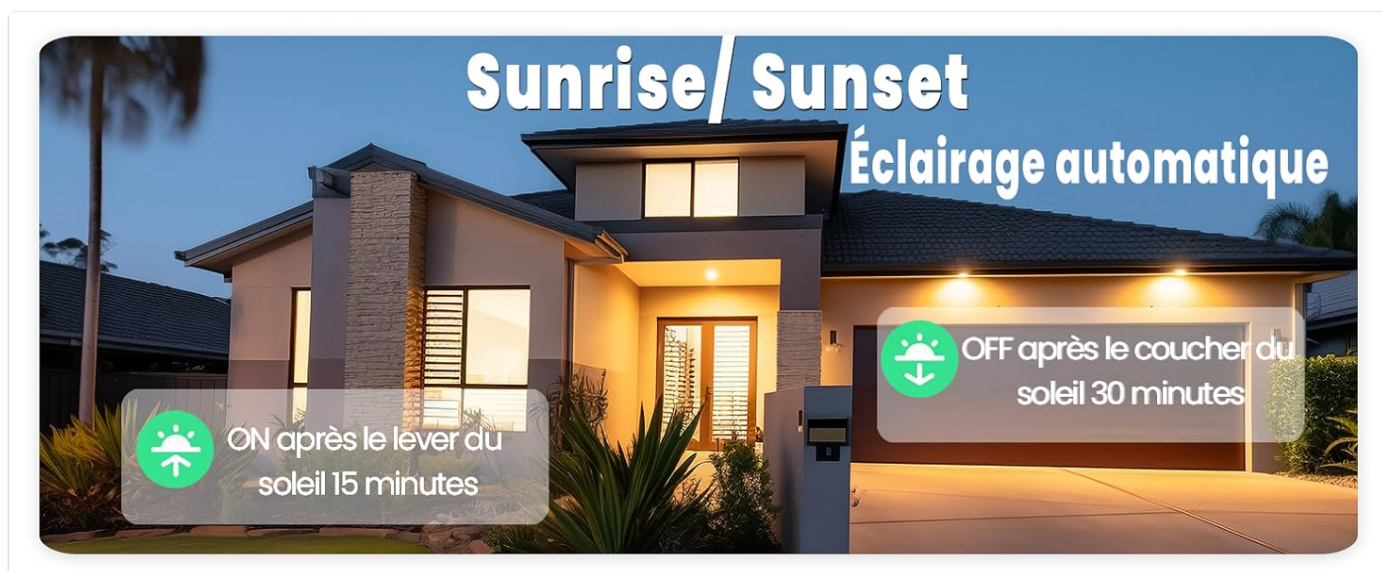

Figure 10: Example of the sunrise/sunset automation feature, allowing lights to turn on or off relative to dawn and dusk.
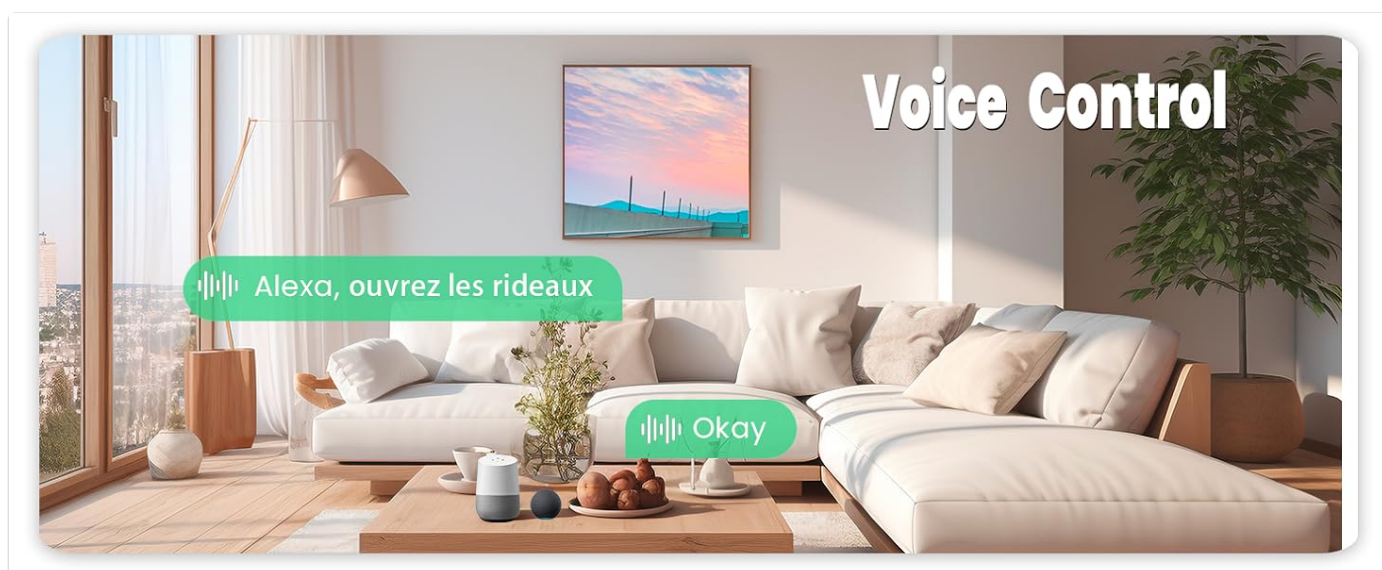

Figure 11: Illustration of voice control functionality, demonstrating integration with smart assistants like Alexa.

MAINTENANCE

The TONGOU Wi-Fi Smart Circuit Breaker requires minimal maintenance.

- **Cleaning:** Periodically wipe the device with a dry, soft cloth. Do not use liquid cleaners or solvents.
- **Firmware Updates:** The app may prompt you for firmware updates. It is recommended to keep the device's firmware updated for optimal performance and security. Follow the in-app instructions for any updates.
- **Connection Check:** Occasionally check the wiring connections to ensure they remain secure.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	No power supply; incorrect wiring; internal fault.	Check main circuit breaker. Verify wiring connections. If problem persists, contact support.
Cannot connect to Wi-Fi.	Incorrect Wi-Fi password; device too far from router; 5GHz Wi-Fi network; device not in pairing mode.	Ensure correct 2.4GHz Wi-Fi password. Move device closer to router. Put device into pairing mode (blinking blue light).
App shows device offline.	Wi-Fi signal loss; device powered off; router issues.	Check Wi-Fi signal strength. Ensure device is powered on. Restart your Wi-Fi router.
Remote control not working.	No internet connection on phone or device; app issues.	Verify internet connectivity. Restart the app. Re-pair the device if necessary.

SPECIFICATIONS

Feature	Detail
Model Number	MP65-SY1
Brand	TONGOU
Current Rating	10A (also available in 16A, 25A, 32A variants)
Voltage	90~230VAC
Frequency	50~60HZ
Number of Poles	1P+N (simultaneously cuts live and neutral wires)
Mounting Type	35mm DIN Rail Mount
Product Dimensions (L x W x H)	5 x 3.6 x 8.5 cm (50P x 36l x 85H millimeters)
Weight	200 grams
Wireless Connectivity	Wi-Fi (2.4GHz only)
App Compatibility	Tuya Smart / Smart Life
Voice Assistant Compatibility	Amazon Alexa, Google Assistant

Feature	Detail

WARRANTY AND SUPPORT

TONGOU products are manufactured to high quality standards. For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official TONGOU brand store.

TONGOU Brand Store: Visit Store

Feature	Detail