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› [TONGOU](#) /

› [TONGOU Smart Wi-Fi Light Switch User Manual](#)

TONGOU TO-Q-SY1

TONGOU Smart Wi-Fi Light Switch User Manual

MODEL: TO-Q-SY1 SERIES

1. Introduction and Overview

The TONGOU Smart Wi-Fi Light Switch is a versatile and intelligent device designed to bring smart control to your electrical appliances. It integrates seamlessly with your home network, allowing for remote control via a mobile application, voice commands through popular smart assistants like Alexa and Google Assistant, and advanced timing functions. This manual provides detailed instructions for installation, operation, and maintenance to ensure optimal performance and user experience.



Image: Front view of the TONGOU Smart Wi-Fi Light Switch, showcasing its compact design and power button.

2. Key Features

The TO-Q-SY1 Smart Wi-Fi Light Switch offers a range of features to enhance your smart home experience:

- **Remote Control:** Control your devices from anywhere using the Smart Life/Tuya APP on your smartphone.
- **Voice Control:** Compatible with Amazon Alexa and Google Assistant for convenient hands-free operation.
- **Timing Modes:** Set schedules with Timing Mode, Countdown Mode, and Loop Timing to automate your devices.
- **Energy Monitoring (TO-Q-SY1-JWT model):** Real-time monitoring of electricity consumption, including current, voltage, and power data.
- **High-Quality Construction:** Made with high-precision manganese copper, flame-retardant PA66 shell, and a high-performance chip module for durability and safety.

- **Easy Installation:** Snap-on design for simple DIN rail mounting without specialized tools.

WIFI DIN RAIL SWITCH MODEL TO-Q-SY1

Into Smart With Your DIY Idea
Remote Control by Mobile Phone, Tuya Smart Edition



Timing Mode



Countdown Mode



Loop Timing



Metering Function
(TO-Q-SY1-JWT)



Image: Visual representation of the smart switch's key features, including timing, countdown, loop timing, and metering functions.

BENEFIT YOUR LIFE

Make your fingers touch every corner!



Remote
Control



Voice
Control



Timing
Mode



Countdown
Mode



Loop
Timing



Real-time Monitoring
of Electricity Consumption
(In TO-Q-SY1-JWT)



Image: Illustration highlighting the benefits such as remote control, voice control, various timing options, and real-time electricity monitoring.

3. Product Specifications

Specification	Detail
Model Selection	TO-Q-SY1-WT (without metering), TO-Q-SY1-JWT (with metering)
Rated Current	Available from 1A to 63A
Voltage	~230V (50/60Hz)
Poles Description	1P+N (N pole pass-through)
Control Type	Remote control, Manual
Working Temperature	0°C–40°C

Specification	Detail
Dimensions (approx.)	82mm (3.23in) H x 18mm (0.71in) W x 50mm (1.97in) D
Package Dimensions	3.54 x 3.15 x 0.79 inches; 4.41 ounces
Manufacturer	TONGOU

16A



Image: Detailed dimensions and model specifications for the DIN rail mounted smart switch.

High Quality From Good Material

- 1 High-precision manganese copper.
- 2 Flame-retardant shell PA66.
- 3 High-performance chip module.
- 4 Long-life motor system.



Image: Breakdown of the high-quality materials used in the smart switch, including manganese copper and flame-retardant shell.

4. Setup

4.1. Installation

The TONGOU Smart Wi-Fi Light Switch is designed for easy installation on a standard 35mm DIN rail. Ensure power is disconnected before installation.

- Mount the switch onto the DIN rail by simply snapping it into place. The snap-on design allows for installation without special tools.
- Connect the wiring to the terminals. The environmentally friendly anti-oxidation terminal screws with a tail structure facilitate easier and secure wiring.

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Video: Demonstrates the physical installation of the TONGOU Smart Wi-Fi Switch on a DIN rail, highlighting the snap-on design and terminal wiring.

4.2. App Pairing

To control your smart switch via the app, follow these pairing steps:

1. Download the Smart Life or Tuya Smart app from your device's app store.
2. Register or log in to your account.
3. Ensure the smart switch is powered on and the Wi-Fi signal LED is flashing (indicating pairing mode). If not, press and hold the power button for 5-10 seconds until it flashes.
4. In the app, tap the '+' icon to add a device. Select 'Electrical Switch' or 'Circuit Breaker (Wi-Fi)'.
5. Follow the on-screen instructions to connect the switch to your Wi-Fi network.

	TO-Q-SY1-WT indicator description When the LED indicator has the steady blue light, which indicates that the switch is on. When the LED indicator lights off, which indicates that the switch is in off or off-grid mode. (In off-grid mode, the manual switch does not have an indicator for status, please pay attention to operational safety). When the LED indicator has the flashing slowly blue light, which indicates that the switch is in pairing model.
	TO-Q-SY1-JWT indicator description When the LED indicator has the steady blue light, which indicates that the network has been successfully connected. When the LED indicator has the flashing slowly blue light, which indicates that the switch is in pairing model. When the LED indicator lights off, which indicates that the device is in off-grid mode. When the indicator lights up on the button, which indicates that the switch is off. When the indicator lights off on the button, which indicates that the switch is on.

Image: Step-by-step visual guide for pairing the smart switch with the Smart Life or Tuya app.

Indicator Description:

- **TO-Q-SY1-WT (without metering):**

- Steady blue light: Switch is on.
- Light off: Switch is off or off-grid mode.

- Flashing slowly: Switch is in pairing mode.

- **TO-Q-SY1-JWT (with metering):**

- Steady blue light: Network successfully connected.
- Flashing slowly: Switch is in pairing mode.
- Light off: Device is in off-grid mode.
- Indicator lights up on button: Switch is off.
- Indicator lights off on button: Switch is on.

32A



Image: Explanation of the LED indicator states for the TO-Q-SY1-WT model.

40A



Image: Explanation of the LED indicator states for the TO-Q-SY1-JWT model.

5. Operating Instructions

5.1. Remote Control via App

Once paired, you can control your smart switch from anywhere using the Smart Life/Tuya app:

- Open the app and select your device from the home screen.
- Tap the power icon to turn the connected appliance on or off.
- Access additional features like timing, countdown, and energy monitoring (for JWT models) directly from the device interface in the app.

Smart Protection A Variety of Functions

Setting the switch status of the equipment in different scenarios, and remotely monitor the real-time situation of the load electrical appliances.



Image: Depicts the app interface for remote control and monitoring of the smart switch.

5.2. Voice Control

Integrate your smart switch with Amazon Alexa or Google Assistant for convenient voice control:

- Enable the Smart Life or Tuya Smart skill/action in your Alexa or Google Home app.
- Link your Smart Life/Tuya account.
- Discover devices. Once discovered, you can use voice commands such as:
 - "Alexa, turn on [device name]."
 - "Hey Google, turn off [device name]."



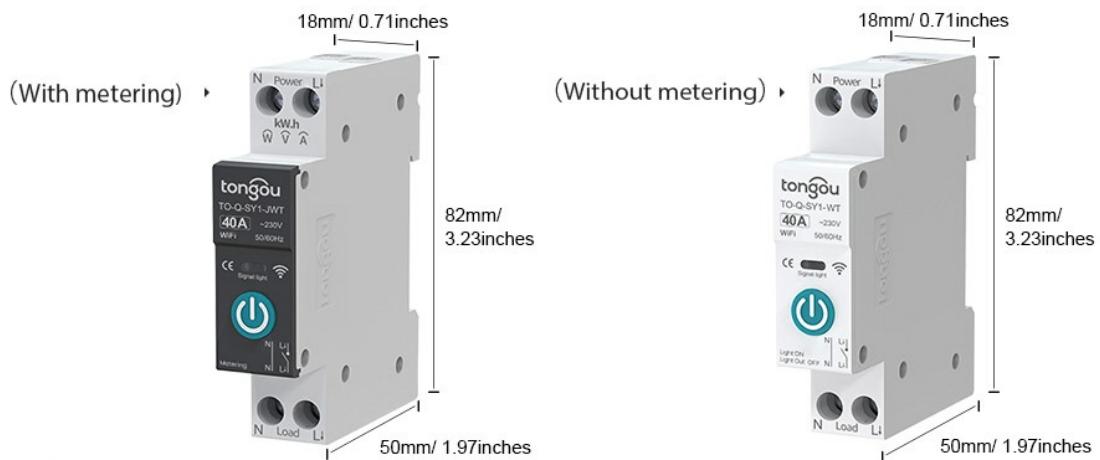
Image: Illustrates the voice control functionality with Amazon Alexa and Google Assistant.

5.3. Timing Functions

Automate your devices with various timing options available in the app:

- Schedule:** Set specific times for the switch to turn on or off daily or on selected days of the week.
- Countdown:** Set a timer for the switch to turn off after a specified duration.
- Loop Timing:** Configure the switch to cycle on and off at regular intervals.
- Sunrise/Sunset:** Automate based on local sunrise and sunset times.

Standard 35 mm for Easy Rail Mounting



Brand name:	TONGOU	Models:	TO-Q-SY1-JWT/TO-Q-SY1-WT
Working temperature:	0°C-40°C	Startup screen:	800(800ms)
Model Selection:	TO-Q-SY1-WT without metering	Poles description:	1P+N(N pole pass-through)
	TO-Q-SY1-JWT with metering	Customization:	Lora, SigMesh, RS 485, ZigBee, RJ45

Image: Screenshot of the app's smart timer settings, showing options like Schedule, Sunrise, Sunset, and Circulate.

5.4. Energy Monitoring (TO-Q-SY1-JWT model only)

The TO-Q-SY1-JWT model provides real-time energy consumption data directly in the app:

- View live current, voltage, and power readings.
- Access historical electricity consumption records by hour, day, month, and year.
- Monitor total forward energy consumption to better understand and manage your power usage.

View load current, voltage and power in real time record (**hour, day, month and year**) electricity consumption in different time periods.



Image: Displays the app interface showing real-time metering data, including total electricity consumption and historical usage graphs.

6. Maintenance

To ensure the longevity and optimal performance of your TONGOU Smart Wi-Fi Light Switch, follow these maintenance guidelines:

- Keep the device clean and free from dust. Use a dry, soft cloth for cleaning.
- Avoid exposing the device to extreme temperatures, humidity, or direct sunlight.
- Do not attempt to disassemble or repair the device yourself. Refer to qualified personnel for any repairs.

- Regularly check for any loose wiring connections to ensure safety and proper function.

7. Troubleshooting

If you encounter issues with your smart switch, refer to the following common problems and solutions:

- **Device not connecting to Wi-Fi:**

- Ensure your Wi-Fi network is 2.4GHz. The switch does not support 5GHz Wi-Fi.
- Check if the Wi-Fi signal is strong enough at the switch's location.
- Verify that you have entered the correct Wi-Fi password during pairing.
- Try power cycling the switch (turn off and on the main power supply).
- Reset the switch to pairing mode by holding the power button until the indicator flashes.

- **Device not responding to app/voice commands:**

- Check the device's indicator light to confirm it's connected to the network (steady blue light).
- Ensure your smartphone has an active internet connection.
- For voice control, verify that your smart assistant (Alexa/Google Assistant) is properly linked to your Smart Life/Tuya account and the device is discovered.

- **Inaccurate energy monitoring (TO-Q-SY1-JWT model):**

- Ensure the wiring is correctly installed according to the diagram.
- Confirm the device firmware is up to date via the app.

If the issue persists after trying these steps, please contact TONGOU customer support for further assistance.

8. Warranty and Support

TONGOU is committed to providing high-quality smart home solutions. This product comes with a **24-month worry-free warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or any inquiries, please refer to the contact information provided on the product packaging or the official TONGOU website. Please have your purchase receipt and product model number ready when contacting support.



Remote
Control



Voice
Control



Loop
Timing



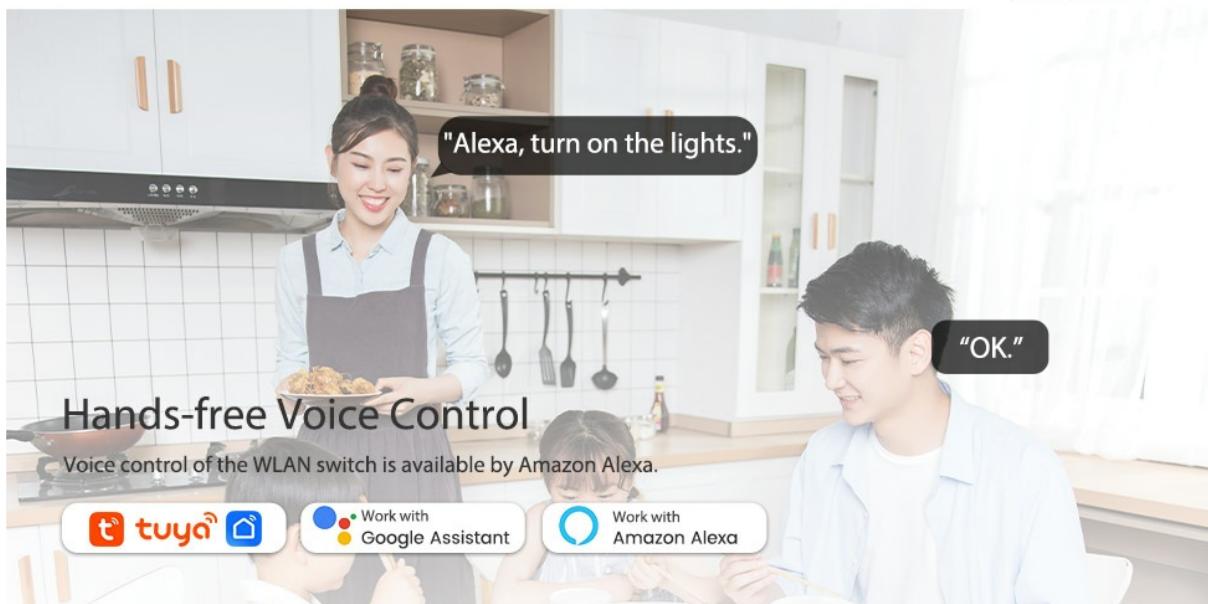
Countdown
Mode



Calendar
Mode



Real-time
Monitoring
(In TO-Q-SY1-JWT)



Hands-free Voice Control

Voice control of the WLAN switch is available by Amazon Alexa.

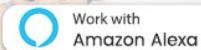
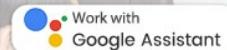


Image: Highlights TONGOU's commitment to smart products and the 24-month warranty.