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TONGOU TO-Q-SY1-ZigBee

TONGOU TO-Q-SY1-ZigBee 25A Smart ZigBee Switch User Manual

Model: TO-Q-SY1-ZigBee (25A Version)

1. INTRODUCTION

Thank you for choosing the TONGOU TO-Q-SY1-ZigBee 25A Smart ZigBee Switch. This device is designed to transform your conventional appliances into smart, connected devices, offering remote control, voice control, energy monitoring, and advanced timing functions. For optimal performance and safety, please read this manual thoroughly before installation and use.

2. PRODUCT OVERVIEW

The TONGOU TO-Q-SY1-ZigBee Smart Switch integrates seamlessly into your smart home ecosystem, provided you have a compatible TUYA ZigBee hub. It allows for intelligent control and monitoring of connected devices.

Key Features:

- **ZigBee 3.0 Protocol:** Requires a TUYA ZigBee hub/gateway for connectivity.
- **Universal Connected Home DIY Module:** Easily convert small home appliances (lamps, fans, heaters) to smart devices in under 10 minutes.
- **APP Remote Control:** Control appliances via the "Smart Life" or "TUYA" APP from anywhere, anytime.
- **Electricity Consumption Monitoring:** Real-time and historical analysis of energy consumption, displaying current, voltage, and power, with data recording (hours, days, months, years).
- **Voice Control:** Compatible with Amazon Alexa and Google Assistant for hands-free operation.
- **Timing Functions:** Features timing modes to prevent energy waste and optimize device operation.
- **Easy Installation and Use:** Simple wiring process with push-in terminals and screw tightening/loosening.
- **Premium Material:** Constructed with high-quality, flame-retardant PA66 material and good conductivity copper for enhanced safety and durability.



Image 2.1: TONGOU TO-Q-SY1-ZigBee Smart Switch highlighting its features like timer, countdown, circulate, and metering.

	TO-Q-SY1-ZT indikator beschreibung
	Wenn die LED indikator mit einem stabilen blauen licht leuchtet, zeigt sie an, dass der schalter eingeschaltet ist.
	Wenn die LED indikator erlischt, zeigt sie an, weist an, dass der schalter im herunterfahren oder off-grid-modus (im off-grid-modus hat der manuelle schalter keine statusanzeige, achten sie bitte auf betriebssicherheit).
	Wenn die LED indikator langsam blau blinkt, zeigt dies an, dass sich der schalter im pairing-modus befindet.
	TO-Q-SY1-JZT indikator beschreibung
	Wenn die LED indikator mit einem stabilen blauen licht leuchtet, dass das netzwerk erfolgreich verbunden wurde.
	Wenn die LED indikator langsam blau blinkt, zeigt dies an, dass sich der schalter im pairing-modus befindet.
	Wenn die LED indikator ausgeschaltet ist, zeigt sie an, dass sich das gerät im off-network-modus befindet.
	Wenn die anzeige auf der taste aufleuchtet, bedeutet dies, dass der schalter ausgeschaltet ist.
	Wenn die anzeige auf der taste erlischt, bedeutet dies, dass der schalter eingeschaltet ist.

Image 2.2: Diagram illustrating the TONGOU TO-Q-SY1-ZigBee Smart Switch's connectivity and control options.

3. SAFETY INFORMATION

WARNING: Electrical shock hazard. Installation should only be performed by a qualified electrician.

- Always disconnect power at the circuit breaker before installing or servicing the switch.
- Ensure the switch's voltage and current ratings match your electrical system.
- Do not operate the switch with wet hands or in damp conditions.
- Keep out of reach of children.
- Do not attempt to repair or modify the device. Contact customer support for assistance.

4. INSTALLATION

The TONGOU TO-Q-SY1-ZigBee Smart Switch is designed for DIN rail mounting. Follow these steps for safe and correct installation:

1. **Power Off:** Turn off the main power supply at your circuit breaker to prevent electrical shock.
2. **Mounting:** Securely mount the switch onto a standard 35mm DIN rail in your electrical box.
3. **Wiring:** Connect the live (L) and neutral (N) wires to the input terminals (Power L and Power N) of the switch. Connect the load wires to the output terminals (Load L and Load N). Ensure all connections are tight and secure. The switch supports simple push-in cable insertion and screw tightening.
4. **Power On:** Once all wiring is complete and secure, restore power at the circuit breaker.

ZigBee Smart Switch TO-Q-SY1

Remote control and voice control at any time

-  **Timer schedule**
-  **Countdown**
-  **Circulate**
(just only for TO-Q-SY1-JZT)
-  **Metering**
(just only for TO-Q-SY1-JZT)



Image 4.1: Example wiring diagram for the TONGOU TO-Q-SY1-ZigBee Smart Switch with a light bulb and a Tuya ZigBee hub.

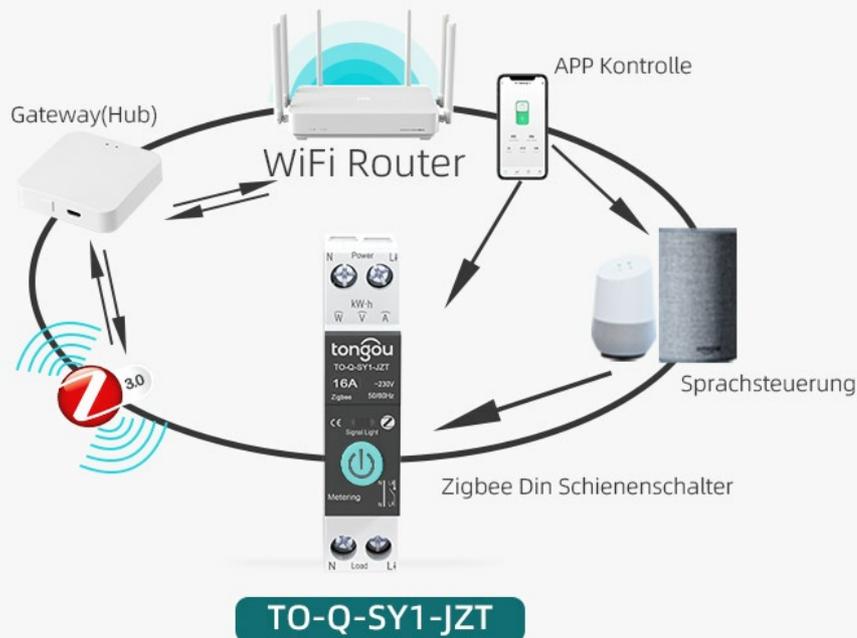


Image 4.2: Dimensions of the TONGOU TO-Q-SY1-ZigBee DIN Rail Switch for installation planning.

5. SETUP (APP PAIRING)

To enable smart features, the switch must be paired with a TUYA ZigBee 3.0 hub and the Smart Life/TUYA app.

1. **Download App:** Download the "Smart Life" or "TUYA" app from the App Store (iOS) or Google Play (Android).
2. **Add Hub:** Open the app and add your TUYA ZigBee 3.0 hub if you haven't already.
3. **Enter Pairing Mode:** On the TONGOU Smart Switch, press and hold the button for 5 seconds until the indicator light blinks blue. This indicates pairing mode.
4. **Discover Device:** In the Smart Life/TUYA app, navigate to your ZigBee hub and select "Add sub-device" or "Search for device." The app will discover the switch.
5. **Confirm Pairing:** Follow the on-screen prompts to confirm pairing. Once successfully paired, the indicator light on the switch will stop blinking and remain solid blue.



Der Anschluss von geräten an die meisten Zigbee-hubs ermöglicht eine intelligente steuerung von geräten, und die Tuya Zigbee-hubs sind weitaus kompatibler mit Zigbee-geräten als andere hubs.

Image 5.1: Diagram showing the connection of the TONGOU TO-Q-SY1-ZigBee Smart Switch to a WiFi router via a ZigBee hub for app and voice control.

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Video 5.1: This video demonstrates the pairing process of the TONGOU TO-Q-SY1-ZigBee Smart Switch with a Tuya ZigBee hub and the Smart Life app, including initial setup and basic control functions.

6. OPERATION

6.1. Manual Control

The switch can be operated manually by pressing the physical button on the device. Press once to turn ON, press again to turn OFF.

6.2. APP Remote Control

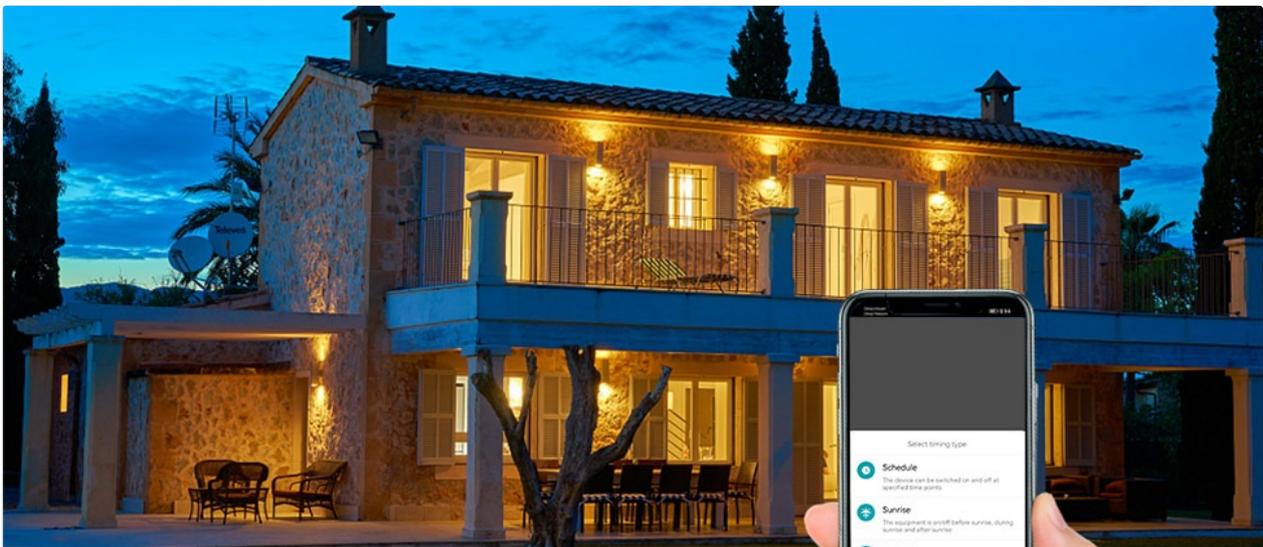
After successful pairing, open the Smart Life/TUYA app. You will see the added switch. Tap the switch icon to toggle power ON/OFF. The app also provides real-time status updates.

6.3. Electricity Consumption Monitoring

Within the app, navigate to the switch's details page. Here you can view real-time data for current, voltage, and power. Historical data for energy consumption (kWh) is also available, broken down by day, month, and year.

6.4. Voice Control

Integrate the Smart Life/TUYA app with Amazon Alexa or Google Assistant. Once linked, you can use voice commands to control your connected appliances. For example, "Alexa, turn on the living room light" or "Hey Google, turn off the fan."



Einstellungen für Smart Timer

Die Lichter werden automatisch nach Ihren Bedürfnissen ein- oder ausgeschaltet.

Image 6.1: Screenshot showing smart timer settings within the app, allowing users to schedule device operation.

6.5. Timing Functions

The app offers various timing options:

- **Schedule:** Set specific ON/OFF times for your devices on selected days.
- **Countdown:** Set a timer for the device to turn ON or OFF after a specified duration.
- **Circulate:** Program the device to cycle ON and OFF repeatedly for set intervals.

7. MAINTENANCE

- **Cleaning:** Gently wipe the device with a dry, soft cloth. Do not use harsh chemicals or abrasive cleaners.
- **Connection Check:** Periodically check the wiring connections to ensure they remain secure.
- **Firmware Updates:** Keep the Smart Life/TUYA app updated to receive the latest firmware for your switch, which may include performance improvements and new features.

8. TROUBLESHOOTING

- **Device not pairing:**
 - Ensure your TUYA ZigBee hub is powered on and connected to your network.
 - Verify the switch is in pairing mode (blinking blue indicator light).
 - Move the switch closer to the ZigBee hub.
 - Reset the switch by holding the button for 10 seconds until the light turns off, then try pairing again.
- **No remote control:**
 - Check your internet connection and the ZigBee hub's connection.
 - Ensure the Smart Life/TUYA app is up to date.
 - Verify the switch is still connected to the ZigBee network in the app.

- **Voice control not working:**

- Confirm that your Alexa or Google Assistant device is properly linked to your Smart Life/TUYA account.
- Check if the device name in the app matches the name you are using in voice commands.

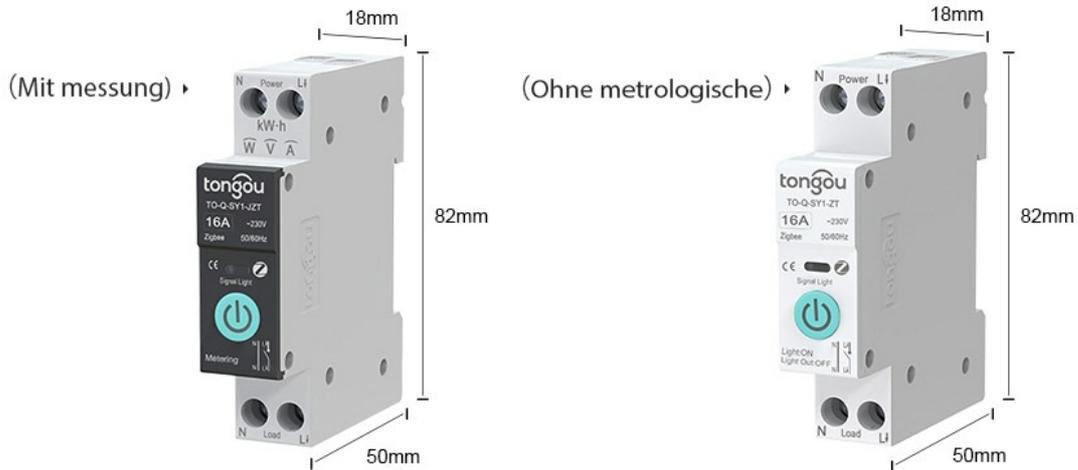
- **Inaccurate energy monitoring:**

- Ensure the switch is correctly wired and the load is within its rated capacity.
- Contact customer support if the issue persists.

9. SPECIFICATIONS

Manufacturer	TONGOU
Model Number	TO-Q-SY1-ZigBee
Material	With measurement 25A (PA66 flame-retardant)
Voltage	240 Volts
Power	6000 Watts
Current Rating	25 A
Switch Type	Single-phase, Touchpad
Mounting Type	DIN Rail Mount
Operating Mode	ON-OFF
Connectivity	ZigBee 3.0 (requires Tuya ZigBee Hub)
Certifications	CE
Package Dimensions	8.5 x 7.1 x 2.2 cm; 110 grams
Country of Origin	China

Standard 35 mm für Einfache Schienenmontage



Markenname:	TONGOU	Modell:	TO-Q-SY1-JZT/TO-Q-SY1-ZT
Betriebstemperatur:	0°C-40°C	Startbildschirm:	800(800ms)
Modellauswahl:	TO-Q-SY1-ZT ohne metrologische	Beschreibung:	1P+N(N Pol Passing)
	TO-Q-SY1-JZT mit messung	Personalisierung:	Lora, SigMesh, RS 485, WiFi, RJ45

Image 9.1: Detailed product parameters for the TONGOU TO-Q-SY1-ZigBee Smart Switch.

10. WARRANTY AND SUPPORT

This TONGOU Smart ZigBee Switch comes with a **two-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For technical support, warranty claims, or any questions regarding your product, please contact TONGOU customer service through your retailer or the official TONGOU website. Please have your purchase receipt and product model number (TO-Q-SY1-ZigBee) ready when contacting support.

Spare parts availability information is currently unavailable.