

GHSOGEOM TO-Q-SY1-JWT

GHSOGEOM TO-Q-SY1-JWT Intelligent Circuit Breaker

User Instruction Manual

1. INTRODUCTION

This manual provides essential information for the safe installation, operation, and maintenance of the GHSOGEOM TO-Q-SY1-JWT Intelligent Circuit Breaker. Please read these instructions carefully before installation and use, and retain them for future reference.

2. SAFETY INFORMATION

- Installation must be performed by a qualified electrician in accordance with all local and national electrical codes.
- Always disconnect power at the main service panel before installing or servicing the circuit breaker.
- Do not operate the device if it appears damaged.
- This device is designed for specific wiring configurations (Live + Neutral). Incorrect wiring can cause damage or present a safety hazard.
- The device does not provide over-current protection. Ensure appropriate upstream over-current protection is in place.

3. PRODUCT OVERVIEW

The GHSOGEOM TO-Q-SY1-JWT is an intelligent circuit breaker designed for DIN rail mounting, featuring metering capabilities and Wi-Fi connectivity for remote control. It is suitable for various applications requiring remote power management and energy monitoring.

TO-Q-SY1-JWT



COMPONENT TYPE: WIFI SMART SWITCH POLES DESCRIPTION: 1P+N (DIREKTER N-POL)

CONTROL TYPE: MANUAL, REMOTE

MAXIMUM CURRENT: 63A

OPERATING ENVIRONMENT: IP20

ACCURACY: $\pm 2\%$

WORKING VOLTAGE: AC90-240V,50/60HZ

COMM. PROTOCOL: Wi-Fi(2.4GHz)

Figure 1: GHSOGEOM TO-Q-SY1-JWT Intelligent Circuit Breaker. The image displays the front view of the circuit breaker, highlighting its dimensions (18mm width, 82mm height, 50mm depth) and key labels such as "Power" (N, L1), "kW·h", "W V A", "tongou", "TO-Q-SY1-JWT", "63A", "WiFi", "50/60Hz", "CE", "Signal Light", "Metering", and "Load" (N, L1). It indicates a 1P+N configuration.

Key Features:

- **Component Type:** WiFi Smart Switch
- **Poles Description:** 1P+N (Direkter N-Pol)
- **Control Type:** Manual, Remote (via Wi-Fi)
- **Metering Function:** Displays kW·h, W, V, A (available on black model).
- **Working Voltage:** AC90-240V, 50/60Hz
- **Maximum Current:** 63A
- **Communication Protocol:** Wi-Fi (2.4GHz)

4. INSTALLATION AND SETUP

4.1 Wiring Instructions

Critical Wiring Requirement:

- The power supply **must** enter from the top terminals.
- The wiring configuration **must** be Live wire + Neutral wire (L+N).
- Wiring with Live wire + Live wire (L+L)**cannot** be used and will result in improper operation or damage.

4.2 Mounting

The circuit breaker is designed for DIN rail mounting. Securely attach the device to a standard DIN rail within an appropriate electrical enclosure.

4.3 Wi-Fi Connection (if applicable)

For remote control and monitoring features, connect the device to a 2.4GHz Wi-Fi network. Refer to the specific instructions provided with the accompanying mobile application for pairing and configuration steps. The device's signal light indicates connection status.

5. OPERATION

5.1 Manual Operation

The circuit breaker can be manually switched ON or OFF using the physical toggle switch on the front panel. The signal light indicates the current status.

5.2 Remote Operation

Once connected to Wi-Fi, the device can be controlled remotely via a compatible mobile application. This allows for switching the breaker ON/OFF and monitoring electrical parameters (for models with metering function).

5.3 Metering Function

Models with the power meter function (typically black models) display real-time electrical data such as kilowatt-hours (kW·h), wattage (W), voltage (V), and amperage (A) on the device or through the mobile application.

Important Note:

- This device does not have over-current protection.
- The current and voltage settings cannot be adjusted within the mobile application.

6. SPECIFICATIONS

Feature	Detail
Model	TO-Q-SY1-JWT
Component Type	WiFi Smart Switch
Poles Description	1P+N (Direkter N-Pol)
Control Type	Manual, Remote
Operating Environment	IP20
Working Voltage	AC90-240V, 50/60Hz
Maximum Current	63A
Communication Protocol	Wi-Fi (2.4GHz)
Accuracy (Metering)	± 2%
Package Dimensions	1.18 x 0.79 x 0.39 inches
Item Weight	1.76 ounces

7. MAINTENANCE

The GH SOGEOM TO-Q-SY1-JWT circuit breaker requires minimal maintenance. Periodically inspect the device and its wiring for any signs of damage, loose connections, or overheating. Ensure the area around the breaker is clean and free from obstructions to allow for proper ventilation. Do not attempt to repair the device yourself; contact qualified personnel for service.

8. TROUBLESHOOTING

- **Device not powering on:** Check the main power supply and ensure wiring is correct (L+N from top).
- **Wi-Fi connection issues:** Ensure your router is operating on a 2.4GHz band. Verify the Wi-Fi signal strength at the device's location. Re-attempt the pairing process as per the mobile application instructions.
- **Remote control not working:** Confirm the device is connected to Wi-Fi and the mobile application is properly configured and updated.
- **Inaccurate metering:** Ensure the device is correctly wired and operating within its specified voltage and current ranges.

If problems persist, consult a qualified electrician or contact customer support.

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the GH SOGEOM official website. Keep your purchase receipt as proof of purchase.