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Model: EAWCBT-J

1. PRODUCT OVERVIEW

The GHSOGEOM EAWCBT-J is an intelligent circuit breaker timer designed for 1P+N electrical systems. It integrates multiple functions including circuit protection, energy monitoring, and remote control capabilities. This device operates within an AC90-280V, 50/60Hz range and is designed for 35mm DIN rail installation. It offers a mechanical life of over 100,000 on/off switches, providing reliable performance for various applications.

2. SETUP AND INSTALLATION

2.1 Safety Precautions

- Always disconnect power at the main circuit breaker before performing any electrical installation or maintenance.
- Installation should be performed by a qualified electrician or in accordance with local electrical codes.
- Ensure proper grounding and wiring to prevent electrical hazards.

2.2 Physical Installation

Mount the EAWCBT-J device onto a standard 35mm DIN rail. Ensure it is securely fastened.

2.3 Wiring Instructions

Power must be connected from the top terminals of the device. The device is designed for a 1P+N (Single Phase + Neutral) configuration. Ensure correct connection of Live (L) and Neutral (N) wires to their respective terminals. The output terminals are located at the bottom.



This image illustrates the physical appearance and dimensions of the EAWCBT-J and EAWCBT-P models, including their input (IN) and output (OUT) terminals for Live (L) and Neutral (N) connections. It also provides a diagram for mounting and a table of product specifications.

2.4 Initial Power-Up

After wiring, apply power to the circuit. The device will power on. Refer to the accompanying mobile application instructions for initial setup, Wi-Fi pairing (supports 2.4GHz b/g/n, **does not support 5G**), and configuration.

3. OPERATING INSTRUCTIONS

The EAWCBT-J offers a range of intelligent functions primarily accessible and controlled via a connected mobile application.

3.1 Protection Functions

Configure the following protection thresholds through the mobile application:

- **Current Limit:** Adjustable from 1A to 63A. The device will trip if the current exceeds this set limit.
- **Power Limit:** Adjustable from 1KW to 26KW. The device will trip if the power consumption exceeds this set limit.

- **Overvoltage Protection:** Adjustable from 220V to 265V. The device will trip if the voltage exceeds this set limit.
- **Undervoltage Protection:** Adjustable from 76V to 240V. The device will trip if the voltage drops below this set limit.
- **Temperature Protection:** Adjustable from 40°C to 150°C. The device will trip if its internal temperature exceeds this set limit.

3.2 Smart Features

- **Remote Control:** Turn the circuit breaker ON or OFF from anywhere using the mobile application.
- **Scheduling and Timers:** Set one-time, recurring, or countdown timers for automatic ON/OFF operations.
- **Energy Monitoring:** Monitor real-time energy consumption (KWh), set electricity prices, calculate household equipment consumption, and download data for analysis.
- **Power-on Response:** Configure the device's state after a power outage. Options include restoring to the state before the outage, always turning ON, or always turning OFF.

4. MAINTENANCE

To ensure optimal performance and longevity of your EAWCBT-J circuit breaker, follow these maintenance guidelines:

- **Regular Inspection:** Periodically check all wiring connections for tightness. Loose connections can lead to overheating or malfunction.
- **Environmental Conditions:** Ensure the device is kept in a clean, dry environment, free from excessive dust, moisture, and corrosive substances. Operate within the specified temperature range of -25°C to 70°C.
- **Cleaning:** Before cleaning, always disconnect power to the device. Use a dry, soft cloth to wipe the exterior. Do not use liquid cleaners, solvents, or abrasive materials.
- **Firmware Updates:** Check the mobile application periodically for available firmware updates to ensure your device has the latest features and security enhancements.

5. TROUBLESHOOTING

If you encounter issues with your EAWCBT-J, refer to the following common troubleshooting steps:

- **Device Not Powering On:**
 - Verify that the main power supply to the circuit is active.
 - Check all wiring connections, especially the Live (L) and Neutral (N) inputs at the top of the device, for secure and correct placement.
- **Remote Control or App Connectivity Issues:**
 - Ensure your Wi-Fi network is 2.4GHz. The device does not support 5GHz Wi-Fi.
 - Check if your mobile device has a stable internet connection.
 - Restart the device by cycling its power.
 - Re-pair the device with the mobile application if necessary, following the app's instructions.
- **Device Trips Frequently (Automatic Shutdown):**
 - Review the current, power, overvoltage, undervoltage, and temperature protection thresholds set in

the mobile application. The device may be tripping due to exceeding these configured limits.

- Check the connected load to ensure it does not exceed the device's rated capacity (63A).
- Inspect for any short circuits or overloads in the connected electrical system.

• **Inaccurate Energy Readings:**

- Confirm that the wiring is correctly installed according to the 1P+N configuration.
- Ensure the electricity price settings in the application are correct, if applicable.

If the issue persists after attempting these steps, contact customer support.

6. SPECIFICATIONS

Parameter	Value
Model	EAWCBT-J
Rated Voltage	AC 80-240V (Working: AC90-280V)
Rated Current	6-63A
Frequency	50/60Hz
Operating Temperature	-25°C to 70°C
Pole Configuration	1P+N
Installation	35mm DIN Rail
Wireless Connection	2.4GHz b/g/n (5G not supported)
Mechanical Life	More than 100,000 on/off switches
Standard	GB109631/IEC60898
Certificate	CE
Manufacturer	GHSOGEOM
Item Weight	1.76 ounces
Package Dimensions	1.18 x 0.79 x 0.39 inches
Assembly Required	No
Number of Pieces	1

7. WARRANTY AND SUPPORT

For detailed warranty information, technical assistance, or customer support, please refer to the official GHSOGEOM website or contact the retailer from whom you purchased the product. Keep your purchase receipt as proof of purchase.

Manufacturer: GHSOGEOM

