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GHSOGEOM EAWCBT Intelligent Circuit Breaker User Manual

Model: EAWCBT

1. INTRODUCTION

The GHSOGEOM EAWCBT Intelligent Circuit Breaker is designed to provide advanced protection and control for electrical circuits. This device integrates multiple functions including current limiting, power limiting, overvoltage and undervoltage protection, temperature protection, energy monitoring, and remote control capabilities. It is suitable for various applications requiring precise electrical management and safety.

2. SAFETY INFORMATION

Warning: Installation and maintenance of this device must be performed by a qualified electrician in accordance with all local and national electrical codes. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Always disconnect power before installing or servicing the circuit breaker.
- Ensure proper wiring connections to prevent damage to the device or electrical system.
- Do not operate the device if it appears damaged.
- Keep the device away from water and excessive moisture.

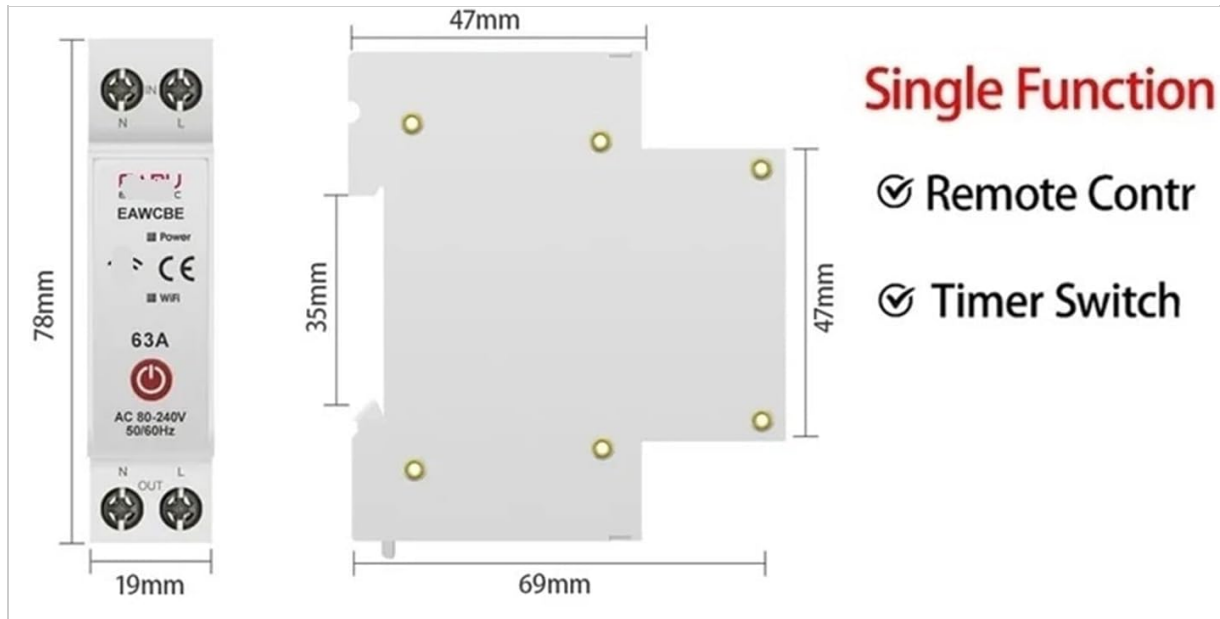
3. PRODUCT OVERVIEW

The EAWCBT Intelligent Circuit Breaker offers comprehensive circuit protection and smart control features. Its compact design allows for easy integration into standard electrical panels.

Key Features:

- **Adjustable Current Limit:** 1-63A
- **Adjustable Power Limit:** 1-26KW
- **Adjustable Overvoltage Protection:** 220-265V
- **Adjustable Undervoltage Protection:** 76-240V
- **Adjustable Temperature Protection:** 40-150°C

- Energy Monitoring
- Timer Switch Functionality
- Remote Control On/Off
- Wi-Fi Connectivity (2.4G Only)



Product Parameters	
Rated Voltage : AC80-240V	Connection : 2.4G Only, 5G not Support
Rated Current : 6-63A	Frequency : 50/60Hz
Product Model : EAWCBE / EAWCBT	Application : Smart Life
Operating Temperature : -25°C-70°C	Pole: 1P+N
Certificate : CE	Installation : 35mm Din Rail

Figure 1: Front view of the EAWCBT Intelligent Circuit Breaker showing input/output terminals, indicators, and key specifications. The image also displays physical dimensions (78mm height, 19mm width, 47mm depth, 69mm base) and a table of product parameters.

4. SETUP AND INSTALLATION

4.1 Mounting

The EAWCBT Intelligent Circuit Breaker is designed for 35mm DIN rail installation. Ensure the DIN rail is securely mounted within an appropriate electrical enclosure.

4.2 Wiring

Connect the incoming power supply to the 'IN' terminals (N for Neutral, L for Live) at the top of the device. Connect the load to the 'OUT' terminals (N for Neutral, L for Live) at the bottom of the device. Ensure all connections are tight and secure.

- **Input:** AC 80-240V, 50/60Hz
- **Rated Current:** 6-63A
- **Pole:** 1P+N

4.3 Wi-Fi Connection

The device supports 2.4G Wi-Fi networks only. 5G networks are not supported. Refer to the accompanying application manual for detailed instructions on connecting the device to your Wi-Fi network and pairing it with the control application.

5. OPERATING INSTRUCTIONS

Once installed and connected to Wi-Fi, the EAWCBT circuit breaker can be controlled and monitored via its dedicated mobile application.

5.1 Remote Control On/Off

Use the mobile application to remotely switch the circuit breaker on or off. This function allows for convenient power management from anywhere.

5.2 Timer Switch

Schedule specific times for the circuit breaker to turn on or off automatically using the timer function in the application. This is useful for automating lighting, appliances, or other connected loads.

5.3 Protection Parameter Adjustment

The mobile application allows you to set and adjust various protection parameters:

- **Current Limit:** Set the maximum allowable current (1-63A). The breaker will trip if this limit is exceeded.
- **Power Limit:** Define the maximum power consumption (1-26KW). The breaker will trip if this limit is exceeded.
- **Overvoltage Protection:** Configure the upper voltage threshold (220-265V). The breaker will trip if the voltage goes above this setting.
- **Undervoltage Protection:** Configure the lower voltage threshold (76-240V). The breaker will trip if the voltage drops below this setting.
- **Temperature Protection:** Set the maximum operating temperature (40-150°C). The breaker will trip if its internal temperature exceeds this value.

5.4 Energy Monitoring

Monitor real-time power consumption, voltage, and current through the mobile application. This feature helps in understanding and managing energy usage.

6. MAINTENANCE

The EAWCBT Intelligent Circuit Breaker requires minimal maintenance. Regular checks can help ensure its optimal performance and longevity.

- Periodically inspect the device for any visible damage or loose connections.
- Ensure the area around the circuit breaker is clean and free from dust or debris to prevent overheating.
- Do not attempt to open or repair the device yourself. Contact qualified personnel for any issues.

7. TROUBLESHOOTING

If you encounter issues with your EAWCBT Intelligent Circuit Breaker, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Device does not power on.	No input power; incorrect wiring.	Check main power supply. Verify wiring connections are correct and secure.
Cannot connect to Wi-Fi.	Incorrect Wi-Fi password; 5G network used; device too far from router.	Ensure correct 2.4G Wi-Fi network and password. Move device closer to router.
Circuit breaker trips frequently.	Overcurrent, overvoltage, undervoltage, or over-temperature condition; protection parameters set too low.	Check connected load for faults. Review and adjust protection parameters in the app.
Remote control not working.	No internet connection; app issue.	Verify internet connectivity. Restart the mobile application.

If the problem persists, contact customer support.

8. SPECIFICATIONS

Parameter	Value
Rated Voltage	AC 80-240V
Rated Current	6-63A (Adjustable)
Frequency	50/60Hz
Connection	2.4G Wi-Fi Only (5G not supported)
Operating Temperature	-25°C to 70°C
Pole	1P+N
Installation	35mm DIN Rail
Certificate	CE
Package Dimensions	1.18 x 0.79 x 0.39 inches
Item Weight	1.76 ounces
Model Number	EAWCBT

9. WARRANTY AND SUPPORT

9.1 Warranty Information

This product comes with a standard manufacturer's warranty. Please refer to the warranty card included with your purchase or contact the retailer for specific warranty terms and conditions.

9.2 Customer Support

For technical assistance, troubleshooting, or any questions regarding the GHSOGEOM EAWCBT Intelligent Circuit Breaker, please contact your retailer or the manufacturer's customer support. Have your product model number and purchase details ready when contacting support.

