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NGDOLAOV EAWCBT-J

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Model: EAWCBT-J

INTRODUCTION

This manual provides essential information for the safe and efficient operation of your NGDOLAOV EAWCBT-J Intelligent Circuit Breaker Timer. This device is designed to offer comprehensive electrical protection, energy monitoring, and remote control capabilities for various applications. Please read these instructions thoroughly before installation and use.

SAFETY INFORMATION

Always observe basic safety precautions when installing, operating, or maintaining electrical equipment. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Installation should only be performed by a qualified electrician.
- Ensure the main power supply is disconnected before any installation or wiring work.
- The device is designed for AC90-280V, 50/60Hz systems. Do not use outside this range.
- Wiring must be Live (L) and Neutral (N), and power must enter from the top terminals.
- Do not expose the device to moisture or extreme temperatures.

PRODUCT OVERVIEW AND FEATURES

The EAWCBT-J is an intelligent circuit breaker timer with multiple protective and monitoring functions.

Key Functions:

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

- **Energy Monitoring:** Tracks energy consumption (KWh).
- **Timer Switch:** Programmable on/off schedules.
- **Remote Control:** On/off switching via voice or app.

Additional Features:

- Remote control access anytime, anywhere.
- Schedule, Timer, and Recurring Timer functions.
- Energy monitoring with electricity price setting and data download.
- Configurable power/current/voltage thresholds for automatic shutdown.
- Power-on response setting: restore previous state, or set to ON/OFF.

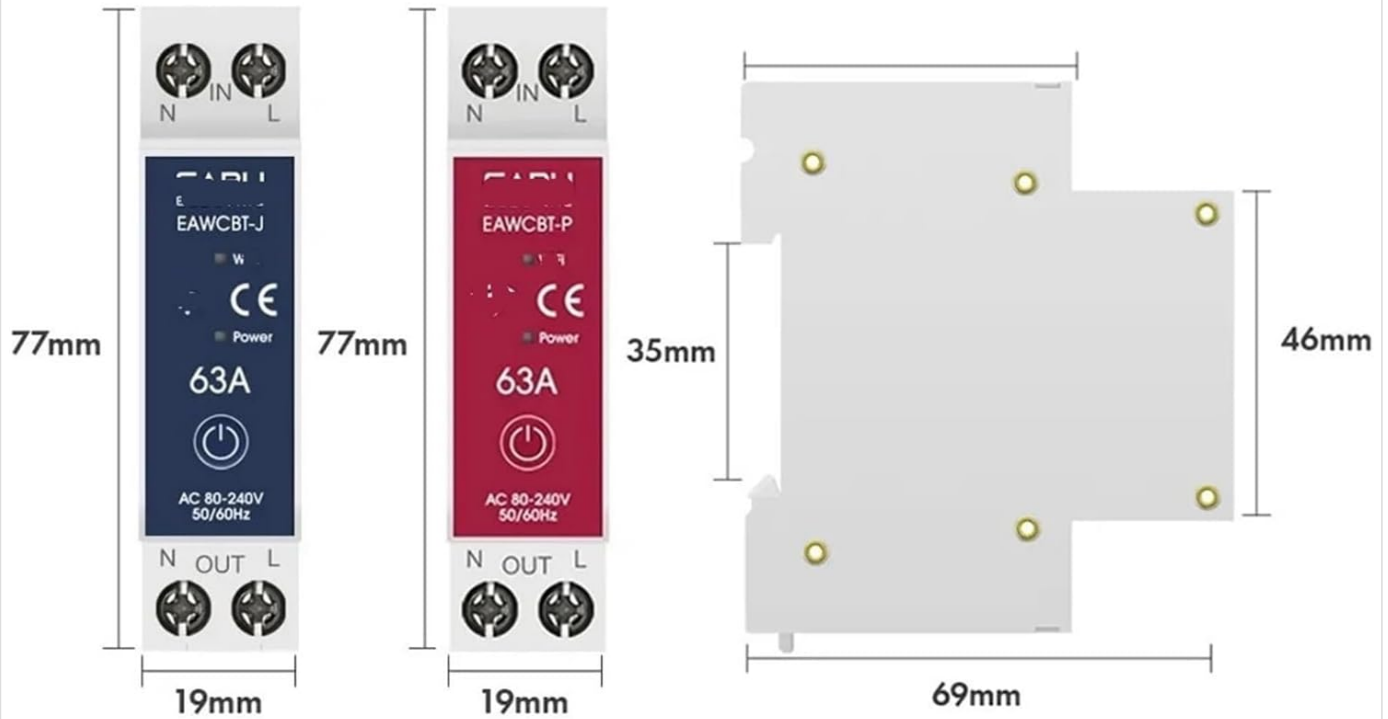
SETUP AND INSTALLATION

The EAWCBT-J is designed for 35MM DIN rail installation. Proper wiring is crucial for safe and correct operation.

Wiring Instructions:

1. Ensure the main power supply to the circuit is completely off before beginning installation.
2. Mount the EAWCBT-J device onto a standard 35MM DIN rail.
3. Connect the Live (L) and Neutral (N) wires from the power source to the top terminals of the device. It is critical that power enters from the top.
4. Connect the load's Live (L) and Neutral (N) wires to the bottom terminals (OUT L and OUT N) of the device.
5. Double-check all connections for tightness and correct polarity.
6. Once wiring is complete, restore power to the circuit.

EAWCBT-J EAWCBT-P



Product Parameters

Rated Voltage : AC80-240V	Connection : With 35mm Din Rail, not support 50mm Din Rail
Rated Current : 6-63A	Frequency : 50/60Hz
Operating Temperature : -25°C-70°C	Approximate Life : 10,000
Standard:GB109631/IEC60898	Pole:1P+N
Certificate : CE	Installation : 35mm Din Rail

Figure 1: EAWCBT-J and EAWCBT-P models showing physical dimensions and a table of product parameters including rated voltage, current, frequency, and installation type. The image displays the top and bottom wiring terminals (N IN L, N OUT L) and the 35mm DIN rail mounting dimensions.

OPERATING INSTRUCTIONS

The EAWCBT-J can be operated via its physical button or through a dedicated mobile application for remote control and advanced settings.

Initial Power-On:

After successful installation and power restoration, the device will power on. The display will show current status and readings.

Mobile Application Control:

1. Download the official NGDOLAOV control application from your smartphone's app store.
2. Follow the in-app instructions to pair your EAWCBT-J device. This typically involves putting the device into pairing mode (refer to the device's display or a quick start guide for specific steps).
3. Once paired, you can remotely control the on/off state of the circuit breaker.

4. **Setting Protection Thresholds:** Use the app to set the desired values for Current Limit, Power Limit, Overvoltage Protection, Undervoltage Protection, and Temperature Protection. The device will automatically trip if these thresholds are exceeded.
5. **Timer and Schedule Functions:** Program specific times for the device to turn on or off. Recurring timers can be set for daily or weekly schedules.
6. **Energy Monitoring:** View real-time energy consumption (KWh), set electricity prices, and download historical data for analysis.
7. **Power-On Response:** Configure how the device behaves after a power outage. Options include restoring to the last known state, always turning ON, or always turning OFF.

Voice Control:

If integrated with a compatible smart home system (e.g., Amazon Alexa, Google Assistant), you can use voice commands to control the on/off state of the EAWCBT-J. Refer to your smart home system's documentation for integration steps.

MAINTENANCE

The EAWCBT-J is designed for minimal maintenance. Regular checks can help ensure its longevity and proper function.

- Periodically inspect the device for any visible damage or loose connections. Ensure power is off before inspection.
- Keep the device clean and free from dust and debris. Use a dry, soft cloth for cleaning.
- Do not use abrasive cleaners or solvents.
- Ensure the operating environment remains within the specified temperature range (-25°C to 70°C).

TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Device not powering on.	No power supply; incorrect wiring; device fault.	Check main power supply. Verify wiring connections (L and N, top entry). If issues persist, contact support.
Device trips frequently.	Overcurrent, overvoltage, undervoltage, or over-temperature condition; incorrect threshold settings.	Check connected load for faults. Review and adjust protection thresholds in the mobile application. Ensure ambient temperature is within limits.
Remote control not working.	No internet connection; app not paired; device not powered.	Ensure your smartphone has internet access. Verify the device is powered on and connected to Wi-Fi. Re-pair the device with the app if necessary.
Energy monitoring data is inaccurate.	Incorrect calibration (unlikely for user); device fault.	Ensure the device is correctly installed and handling the full load. If discrepancies persist, contact support.

SPECIFICATIONS

Parameter	Value
Model	EAWCBT-J
Rated Voltage	AC80-240V (Working voltage: AC90-280V)
Rated Current	6-63A (Adjustable)
Frequency	50/60Hz
Pole Configuration	1P+N
Installation Type	35MM DIN Rail
Mechanical Life	> 100,000 on/off switches
Operating Temperature	-25°C to 70°C
Standard Compliance	GB109631/IEC60898
Certification	CE
Package Dimensions	1.18 x 0.79 x 0.39 inches
Item Weight	1.76 ounces




<p>Product Images</p>			
<p>Product Model</p>	<p>EAWCBT-J</p>	<p>EAWCBT-P</p>	<p>EAKCB-T-M</p>
<p>Timer Switch</p>	<p>☑</p>	<p>☑</p>	<p>☑</p>
<p>Remote Control</p>	<p>☑</p>	<p>☑</p>	<p>☑</p>
<p>Energy Monitor</p>	<p>☑</p>	<p>☑</p>	<p>☑</p>
<p>Current Limit</p>	<p></p>	<p>☑</p>	<p>☑</p>
<p>Voltage Protection</p>	<p></p>	<p>☑</p>	<p>☑</p>
<p>Power Limit</p>	<p></p>	<p></p>	<p>☑</p>
<p>Temperature Protection</p>	<p></p>	<p></p>	<p>☑</p>

Figure 2: Comparison of NGDOLAOV circuit breaker models (EAWCBT-J, EAWCBT-P, EAKCB-T-M) and their respective features, including Timer Switch, Remote Control, Energy Monitor, Current Limit, Voltage Protection, and Power Limit. The EAWCBT-J model is shown to include Timer Switch, Remote Control, and Energy Monitor features.

WARRANTY AND SUPPORT

Warranty information for the NGDOLAOV EAWCBT-J Intelligent Circuit Breaker Timer is not provided within this manual. Please refer to the product packaging or contact your retailer or the manufacturer directly for warranty details.

For technical support or further assistance, please contact NGDOLAOV customer service through their official website or the contact information provided with your purchase.