

NGDOLAOV EAWCBT-P

NGDOLAOV EAWCBT-P Intelligent Circuit Breaker Timer User Manual

1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of the NGDOLAOV EAWCBT-P Intelligent Circuit Breaker Timer. Please read this manual thoroughly before using the device and retain it for future reference.

2. SAFETY INFORMATION

- Installation and maintenance must be performed by qualified personnel only.
- Ensure the main power supply is disconnected before any wiring or installation procedures.
- Verify correct wiring connections (Live and Neutral) to prevent damage to the device or electrical hazards.
- Do not operate the device in wet or damp conditions.
- Do not exceed the specified voltage and current ratings.

3. PRODUCT OVERVIEW

The EAWCBT-P is an intelligent circuit breaker timer designed for electrical protection, energy monitoring, and remote control. It integrates features such as overvoltage/undervoltage protection, current/power limiting, temperature protection, and timer functions.



Figure 1: EAWCBT-P Circuit Breaker with Dimensions and Product Parameters. This image illustrates the physical dimensions of the EAWCBT-P model (19mm width, 77mm height) and its mounting plate (69mm x 46mm). It also presents a table of key product parameters.

Product Parameters

Parameter	Value
Rated Voltage	AC80-240V
Rated Current	6-63A
Operating Temperature	-25°C to 70°C
Standard	GB109631/IEC60898
Frequency	50/60Hz
Pole	1P+N
Installation	35mm Din Rail

4. SETUP AND INSTALLATION

4.1 Wiring Instructions

- **Power Input:** Power must enter the device from the top terminals.
- **Connection Type:** Ensure the connection is Live + Neutral (L+N).
- **Output:** Connect the load to the bottom terminals labeled 'N OUT L'.

4.2 Mounting

The EAWCBT-P is designed for installation on a standard 35mm DIN rail.

5. OPERATING INSTRUCTIONS

5.1 Remote Control and App Functions

The device supports remote control and advanced functions via a dedicated mobile application. Ensure your device is connected to a 2.4GHz Wi-Fi network (5G networks are not supported).

- **Remote Control:** Turn the circuit breaker on or off from anywhere using the mobile application.
- **Scheduling and Timers:** Set schedules, timers, and recurring timers for automatic operation.
- **Energy Monitoring:** Monitor real-time energy consumption (KWh), set electricity prices, and calculate electricity costs. Data can be downloaded for analysis.
- **Adjustable Protection Thresholds:** Preset various protection thresholds via the app:
 - 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 adjustable

When real-time values exceed these thresholds, the connected appliance will automatically shut down for protection.

- **Power-on Response:** Configure the device's state after a power outage and subsequent restoration. It can be set to restore its previous state, or to be always ON or always OFF.

6. MAINTENANCE

The EAWCBT-P is designed for minimal maintenance. Periodically inspect the wiring connections for tightness and ensure the device is free from dust and debris. Do not attempt to open or repair the device yourself; contact qualified service personnel.

7. TROUBLESHOOTING

- **Device not powering on:** Check main power supply and wiring connections. Ensure Live and Neutral are correctly connected.
- **No Wi-Fi connection:** Verify your Wi-Fi network is 2.4GHz. Ensure the device is within range of your router.
- **Device trips frequently:** Check the current, voltage, power, and temperature thresholds set in the app. Reduce the load or adjust thresholds if necessary, ensuring they are within safe operating limits.
- **Remote control not responding:** Check internet connectivity on your mobile device and the circuit breaker's Wi-Fi connection status in the app.

8. SPECIFICATIONS

Specification	Value
Model	EAWCBT-P
Working Voltage	AC90-280V, 50/60Hz
Wireless Type	2.4GHz b/g/n (5G not supported)
Installation	35mm DIN Rail
Mechanical Life	More than 100,000 on/off switches
Working Temperature	-25°C to 70°C
Package Dimensions	1.18 x 0.79 x 0.39 inches
Item Weight	1.76 ounces
Number of Pieces	1

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the product packaging or contact your retailer. Keep your purchase receipt for warranty claims.