

## NGDOLAOV RDCBC-1/2/4P

# NGDOLAOV RDCBC Series Intelligent Timer Circuit Breaker User Manual

## 1. INTRODUCTION

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This manual provides essential information for the safe and effective installation, operation, and maintenance of your NGDOLAOV RDCBC series intelligent timer circuit breaker. Please read this manual thoroughly before installation and use, and retain it for future reference.

## 2. SAFETY INFORMATION

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**WARNING: This device is a relay type and does not provide short circuit or overload protection. It is designed for remote control and timing functions. For electrical safety, ensure proper circuit protection (e.g., standard circuit breakers) is installed upstream of this device.**

Installation and maintenance should only be performed by qualified electricians in accordance with local electrical codes and regulations. Always disconnect power before working on electrical circuits.

## 3. PRODUCT FEATURES

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- **Remote Control:** Manage your electrical circuits from anywhere, anytime via a connected smart device.
- **Timer On/Off:** Schedule automatic power on/off times for connected appliances.
- **Scene Setting:** Create custom scenarios for home automation, such as 'Home Feeling' (turning on lights, water heater, TV, air conditioner) or 'Going Out' (turning off lights, water heater, TV, air conditioner).
- **Device Sharing:** Share control of the device with family and friends through the application.
- **DIN Rail Mounting:** Designed for easy installation on standard 18mm DIN rails.

## 4. SPECIFICATIONS

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Parameter	Value
Standard	GB109631/IEC60898
Frequency	50/60Hz
Rated Voltage (1P+N)	AC100-240V
Rated Voltage (3P+N)	AC100-400V
Rated Current (1P+N)	32A / 50A / 63A / 80A
Rated Current (3P+N)	63A / 80A
Number of Poles	1P+N / 3P+N
Wireless Standard	2.4GHz B/G/N (5G not supported)
Operating Temperature	Normal temperature
Mounting	18mm DIN rail

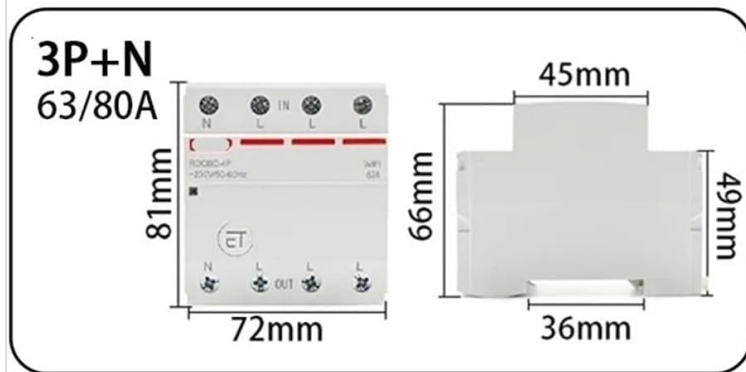
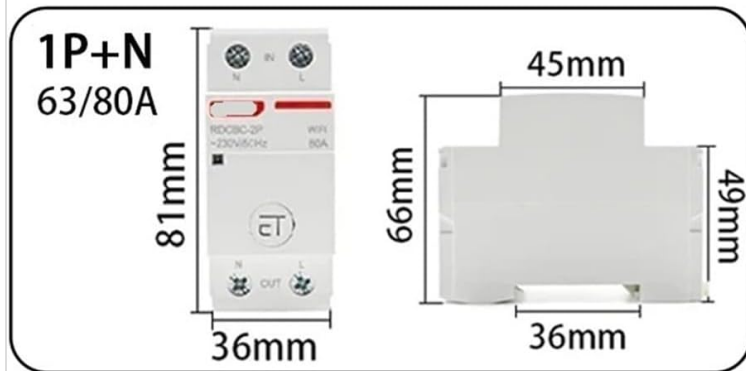
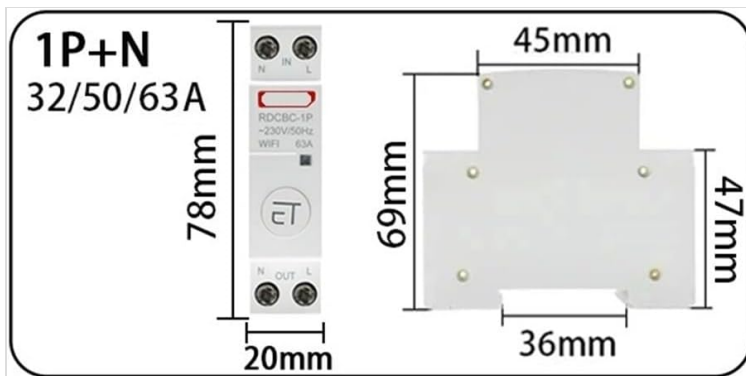
## 5. INSTALLATION

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The NGDOLAOV RDCBC series intelligent circuit breaker is designed for DIN rail mounting. Follow these general steps for installation:

1. Ensure all power to the circuit is disconnected at the main breaker.
2. Mount the device securely onto an 18mm DIN rail within your electrical panel.
3. Connect the incoming neutral (N) and live (L) wires to the 'IN' terminals as indicated on the device.  
For 3P+N models, connect all three live phases and neutral.
4. Connect the outgoing neutral (N) and live (L) wires to the 'OUT' terminals, leading to the load.
5. Double-check all connections for tightness and correct polarity.
6. Restore power to the circuit.

Refer to the diagram below for visual guidance on dimensions and wiring configurations for different models:



Parameter	
Frequency :	50/60Hz
Working Voltage :	AC100-230V 1P+N AC100-230V 1P+N AC100-400V 3P+N
Working Current :	32A/50A/63A 1P+N 63A/80A 1P+N 63A/80A 3P+N
Wireless Standard :	2.4GHz B/G/N, Not Support 5G
Operating Temperature :	Normal temperature

This image illustrates the physical dimensions and basic wiring configurations for the NGDOLAOV RDCBC series intelligent circuit breakers. It includes models for 1P+N (32/50/63A), 1P+N (63/80A), and 3P+N (63/80A), showing height, width, and depth measurements, along with input (IN) and output (OUT) terminal markings for neutral (N) and live (L) connections. The image also details key parameters such as frequency, working voltage, working current, wireless standard (2.4GHz B/G/N, no 5G support), and operating temperature.

## 6. OPERATION

After successful installation and power-up, the device can be controlled via a dedicated mobile application. Please download the NGDOLAOV smart home application from your device's app store.

### 6.1 Remote Control

Once the device is paired with the application, you can remotely turn the circuit breaker on or off from anywhere with an internet connection. The app provides real-time status updates.

### 6.2 Timer On/Off

Within the application, navigate to the 'Timer' section. You can set single-event timers or recurring schedules for the circuit breaker to automatically switch on or off at specified times.

### 6.3 Scene Setting

The 'Scene' function allows you to create custom automation routines. For example, you can configure a 'Morning' scene to turn on specific lights and the water heater, or an 'Away' scene to turn off all connected devices when you leave your home.

## 7. TROUBLESHOOTING

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- **Device not responding:** Check the power supply to the device. Ensure your Wi-Fi network (2.4GHz) is active and the device is within range. Re-pair the device with the app if necessary.
- **Cannot connect to Wi-Fi:** Verify your Wi-Fi network is 2.4GHz. The device does not support 5GHz networks. Ensure correct Wi-Fi password entry.
- **Scheduled tasks not executing:** Check the timer and scene settings in the application. Ensure the device has a stable internet connection.
- **Device appears offline:** Check your home internet connection. If the internet is working, try restarting the circuit breaker (if safe to do so) or re-pairing it with the app.

If issues persist, contact NGDOLAOV customer support.

## 8. MAINTENANCE

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The NGDOLAOV RDCBC series intelligent circuit breaker requires minimal maintenance. Periodically inspect the device and its wiring for any signs of damage, loose connections, or overheating. Keep the device free from dust and moisture. Do not attempt to open or repair the device yourself; refer all servicing to qualified personnel.

## 9. WARRANTY AND SUPPORT

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