UCJJJCWFB-WIFIATSLN230V-63A

TOMZN Din Rail EWelink WiFi Smart ATS Timer 230V Dual Power Automatic Transfer Switch

Model: UCJJJCWFB-WIFIATSLN230V-63A

1. Product Overview

The TOMZN Din Rail EWelink WiFi Smart ATS Timer is a dual power automatic transfer electrical selector switch designed for uninterrupted power supply. This device automatically switches between two power sources, such as city power and a generator, ensuring continuous operation of connected loads. It features Wi-Fi connectivity via the eWeLink App for smart control and timer functions, and is suitable for various applications including solar inverters, charge controllers, and battery banks.

This mini circuit breaker type device is rated for 220V and 63A, certified with CE, and built with flame-retardant and UV-resistant insulating materials for durability in diverse environments.

Figure 1: Front view of the TOMZN Din Rail EWelink WiFi Smart ATS Timer, showing input terminals for Source A (City Power) and Source B (Generator), output terminals, and the manual/auto selector switch.

Key Features:

- **Automatic Transfer:** Seamlessly switches between two power sources (e.g., main power and backup generator).
- **Wi-Fi Connectivity:** Control and monitor via the eWeLink App.
- **Timer Functionality:** Schedule power transfers or operations.
- **Safety Protection:** Prevents damage from short circuits and overloads.
- **Durable Construction:** Made with insulating, flame-retardant, and UV-resistant materials.
- **Secure Connections:** Screw-type terminals ensure stable electrical connections.
- **Versatile Application:** Suitable for solar inverters, charge controllers, and battery banks.

2. Safety Information

Please read all safety instructions carefully before installation and operation. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Qualified Personnel:** Installation and maintenance should only be performed by qualified electricians.
- **Power Disconnection:** Always disconnect all power sources before working on the device or its connections.
- **Proper Grounding:** Ensure the electrical system is properly grounded according to local codes.
- **Voltage and Current Ratings:** Do not exceed the specified voltage (230V) and current (63A) ratings of the device.
- **Environmental Conditions:** Install the device in a dry, well-ventilated area, protected from direct sunlight, excessive heat, and moisture.
- **Tight Connections:** Ensure all screw terminals are tightened securely to prevent loose connections and overheating.
- **Manual Operation:** When operating the switch manually, ensure the power is disconnected or proceed with extreme caution.

3. Package Contents

Verify that all items are present and undamaged upon opening the package. If any items are missing or damaged, please contact customer support.

- 1 x TOMZN Din Rail EWelink WiFi Smart ATS Timer (63A)
- 1 x User Manual (this document)

4. Specifications

Parameter	Value
Model Number	UCJJJCWFB-WIFIATSLN230V-63A
Rated Working Current	63A
Rated Working Voltage	230V AC
Poles	2P (L+N)
Insulation Voltage	690V
Impact-resistant Voltage	8kV
Frequency	50/60Hz
Standard	IEC/EN60947-6-1
Certification	CE
Wi-Fi Control	eWeLink App
Mounting	35mm Din Rail
Dimensions (Approx.)	0.39 x 0.39 x 0.39 inches (Package)

5. Installation

5.1 Mounting

The ATS Timer is designed for 35mm Din Rail mounting. Ensure the Din Rail is securely fastened within an appropriate electrical enclosure.

1. Locate the Din Rail clip at the bottom of the device.
2. Hook the top edge of the device onto the Din Rail.
3. Press the bottom of the device firmly until the clip snaps onto the Din Rail, securing the device in place.

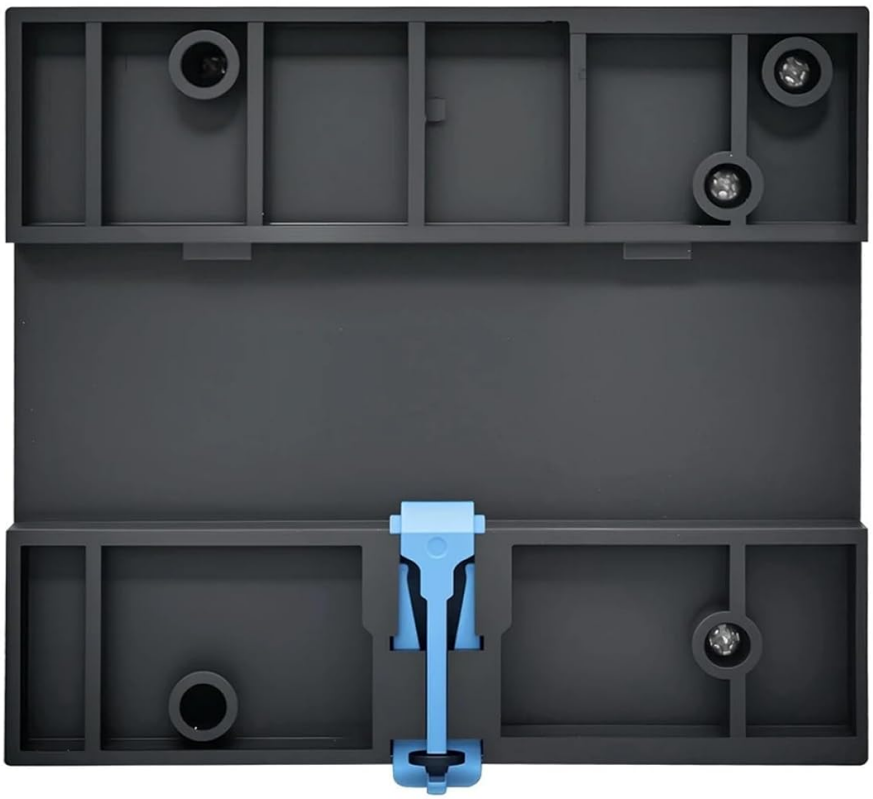

Figure 2: Bottom view of the ATS Timer, highlighting the Din Rail mounting clip.

5.2 Wiring Diagram

Refer to the markings on the device for correct wiring. Ensure all connections are tight and secure. Use appropriate wire gauges for 63A current.

1. **Source A (City Power):** Connect the Live (L) and Neutral (N) wires from your primary power source to the 'Source A' terminals.
2. **Source B (Generator/Backup):** Connect the Live (L) and Neutral (N) wires from your secondary power

source to the 'Source B' terminals.

3. **Load Side:** Connect the Live (L) and Neutral (N) wires of your electrical load to the 'Load Side' terminals.
4. **Control Terminals (AR, AN, NC, NO, BR, BN):** These terminals are for external control signals or indicators. Refer to specific application requirements for their use.

Figure 3: Angled view of the ATS Timer, illustrating the various wiring terminals for power sources and load.

Figure 4: Side view of the ATS Timer, clearly showing the 'Load Side' output terminals.

6. Operation

The ATS Timer offers both manual and automatic operation modes, along with smart control via the eWeLink App.

6.1 Manual Mode

- To operate the switch manually, ensure the selector knob on the front of the device is set to the 'Manual' position.
- Use the red handle to physically switch between Source A and Source B.
- **Note:** Manual operation should only be performed when necessary and with caution, ideally with power disconnected to avoid arcing.

6.2 Automatic Mode

- Set the selector knob to the 'Auto' position.
- In this mode, the device will automatically detect the presence of power from Source A (primary) and Source B (secondary).

- If Source A fails, the ATS will automatically transfer the load to Source B.
- When Source A is restored, the ATS will automatically transfer the load back to Source A (default setting, configurable via app).

6.3 Wi-Fi Connectivity and eWeLink App

The device integrates with the eWeLink App for remote control, monitoring, and advanced settings.

1. **Download App:** Download the eWeLink App from your smartphone's app store (iOS or Android).
2. **Register/Login:** Create an account or log in to your existing eWeLink account.
3. **Pairing:** Follow the in-app instructions to add a new device. The ATS Timer will typically enter pairing mode when first powered on or by a specific button press (refer to device for pairing button, if any).
4. **Control & Monitor:** Once paired, you can remotely switch between sources, view status, set timers, and configure preferences within the app.

7. Maintenance

Regular maintenance ensures the longevity and reliable operation of your ATS Timer.

- **Power Disconnection:** Always disconnect all power sources before performing any maintenance.
- **Cleaning:** Periodically clean the exterior of the device with a dry, soft cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Annually inspect all wiring connections for tightness and signs of wear or corrosion. Re-tighten if necessary.
- **Ventilation:** Ensure that the enclosure where the device is installed has adequate ventilation to prevent overheating.

8. Troubleshooting

If you encounter issues with your ATS Timer, refer to the following table for common problems and solutions.

Problem	Possible Cause	Solution
Device does not power on	No power to Source A or Source B; Loose wiring connection	Check power supply to both sources; Verify all wiring connections are secure.
No automatic transfer	Selector knob in 'Manual' position; Faulty power source detection	Set selector knob to 'Auto'; Check power input from both sources.
Cannot connect to eWeLink App	Incorrect Wi-Fi password; Device not in pairing mode; Router issues	Ensure correct Wi-Fi credentials; Put device into pairing mode; Restart Wi-Fi router.
Overload/Short circuit trip	Excessive current draw; Fault in connected load	Reduce load; Inspect connected equipment for faults; Reset the breaker.

9. Warranty and Support

This product comes with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation provided at the time of purchase or contact your retailer.

For technical support, troubleshooting assistance beyond this manual, or warranty claims, please contact the seller or manufacturer directly. Have your model number (UCJJJCWFB-WIFIATSLN230V-63A) and purchase information ready when contacting support.