

TOMZN TOQ7e

TOMZN TOQ7e WiFi Smart ATS Dual Power Switch Instruction Manual

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your TOMZN TOQ7e WiFi Smart Automatic Transfer Switch (ATS). Please read this manual thoroughly before installation and keep it for future reference.

The TOMZN TOQ7e is designed to automatically switch between two power sources, typically city power (Source A) and a generator or secondary power source (Source B), ensuring a continuous power supply to your electrical load. It features WiFi connectivity for smart control and monitoring via the EWelink application.

2. SAFETY INFORMATION

Improper installation or operation can lead to serious injury or damage to the device. Always adhere to the following safety guidelines:

- **Professional Installation Recommended:** Installation should only be performed by a qualified electrician in accordance with all local and national electrical codes.
- **Disconnect Power:** Always ensure that all power sources are disconnected before performing any installation, wiring, or maintenance.
- **Voltage and Current Ratings:** Verify that the device's voltage and current ratings match your electrical system requirements.
- **Proper Grounding:** Ensure the device is properly grounded to prevent electrical shock.
- **Environmental Conditions:** Do not expose the device to excessive moisture, dust, or extreme temperatures outside its specified operating range.
- **Secure Connections:** Ensure all wire connections are tight and secure to prevent overheating and arcing.

3. PRODUCT OVERVIEW

The TOMZN TOQ7e ATS is a compact and intelligent device designed for reliable power transfer. It integrates automatic switching capabilities with smart home features.

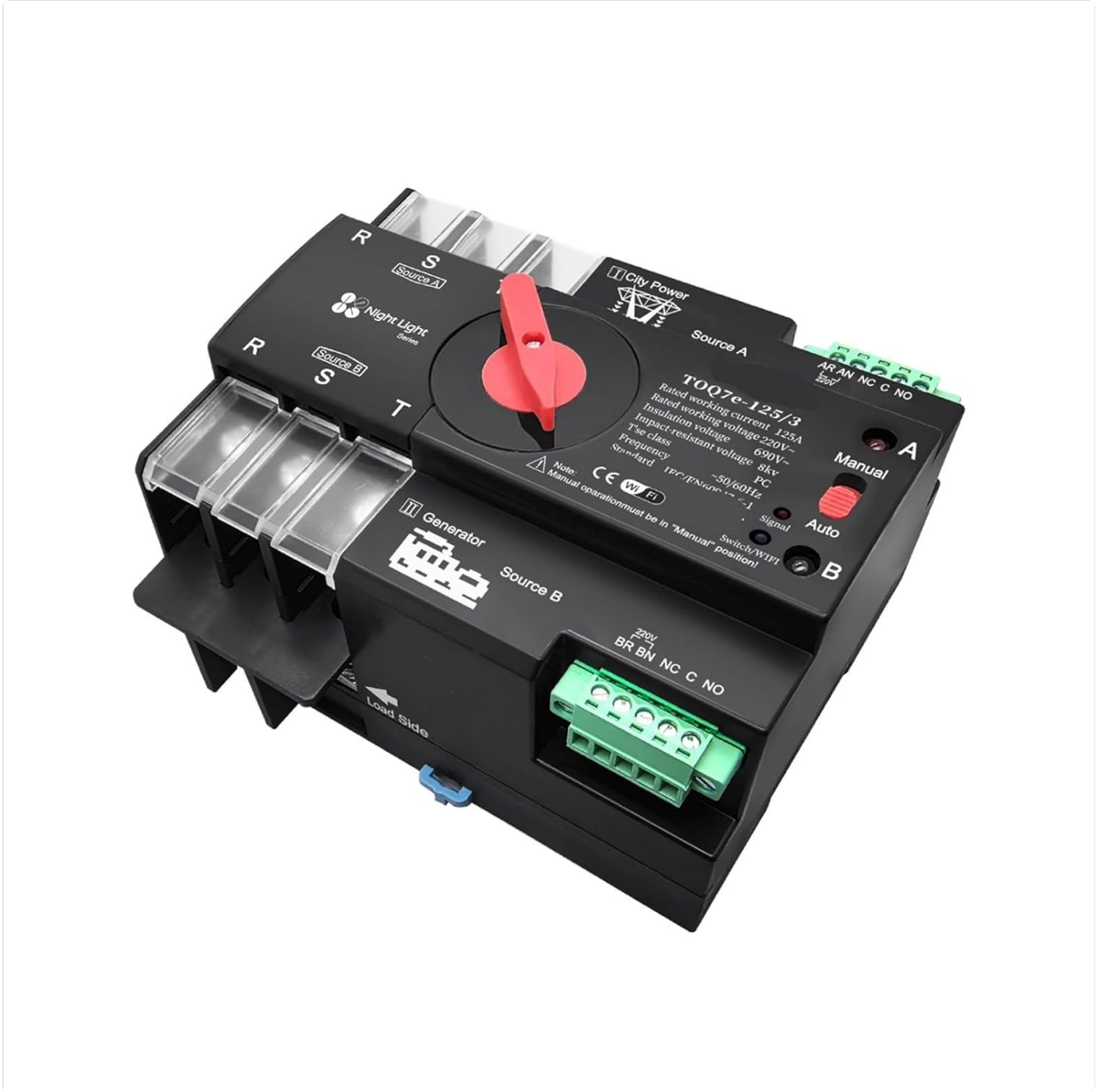


Figure 1: Front view of the TOMZN TOQ7e ATS, showing the manual/auto selector, indicator lights, and terminal connections.

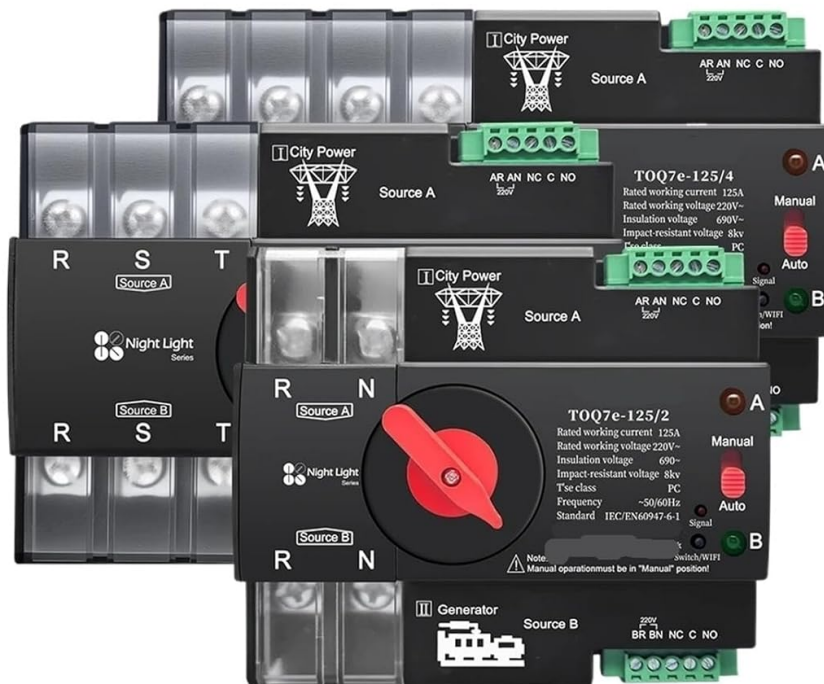


Figure 2: Multiple TOMZN TOQ7e ATS units, illustrating various pole configurations and current ratings.

Key Components:

- **Power Source A (City Power) Terminals:** Connections for the primary power supply.
- **Power Source B (Generator) Terminals:** Connections for the secondary power supply.
- **Load Terminals:** Output connections to the electrical load.
- **Manual/Auto Selector Switch:** Allows selection between manual operation and automatic transfer mode.
- **Indicator Lights:** Display the status of Source A, Source B, and the current power supply.
- **WiFi Module:** Enables smart control and monitoring via the EWelink app.

4. SPECIFICATIONS

Feature	Specification
Model	TOQ7e

Feature	Specification
Rated Current	63A, 100A, 125A (variant dependent)
Rated Voltage	220V / 380V AC
Poles	2P, 3P, 4P (variant dependent)
Control Type	Automatic, Manual, WiFi (EWelink)
Protection Features	Short Circuit, Overload
Housing Material	Insulating, Flame-retardant, UV-resistant
Terminals	Screw-type
Certification	CE
Operating Frequency	50/60 Hz
Dimensions (Approx.)	Refer to product packaging or specific model datasheet for precise measurements.

5. INSTALLATION

Warning: Ensure all power is disconnected before proceeding with installation. Installation must be performed by a qualified electrician.

5.1 Mounting

The TOMZN TOQ7e ATS is designed for DIN rail mounting.

1. Select a suitable location within your electrical panel or enclosure that provides adequate ventilation and protection from environmental factors.
2. Attach the ATS securely to a standard DIN rail by engaging the mounting clip at the bottom of the device.

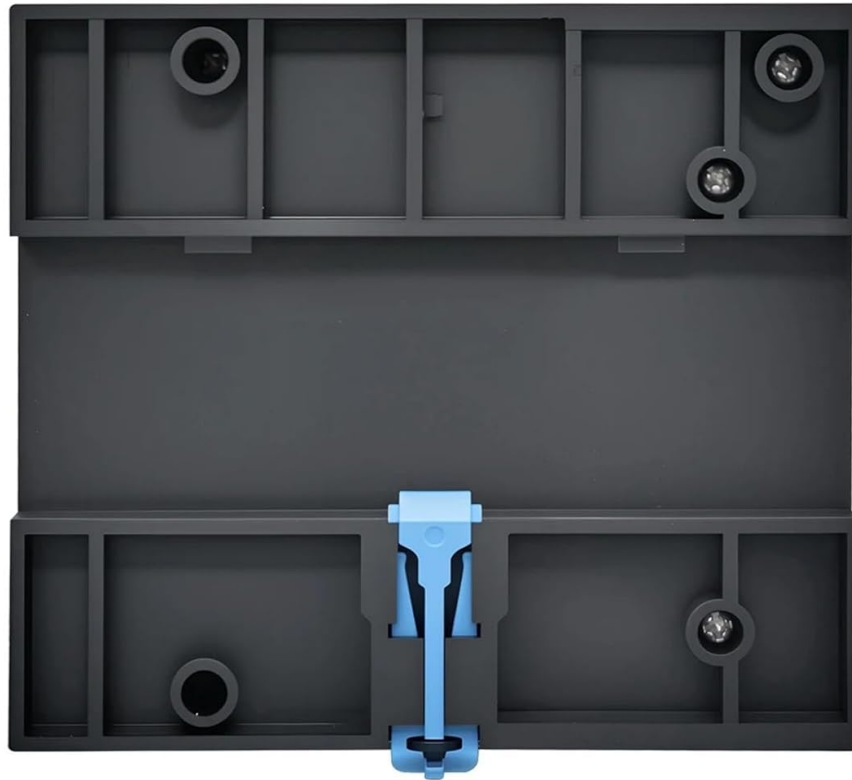


Figure 3: Bottom view of the TOMZN TOQ7e ATS, showing the DIN rail mounting clip for secure installation.

5.2 Wiring

Follow the wiring diagram provided with your specific product variant or consult a qualified electrician. The general wiring principle involves connecting Source A (City Power), Source B (Generator), and the Load to their respective terminals.

- **Source A (City Power):** Connect the main utility power lines to the 'Source A' input terminals.
- **Source B (Generator/Secondary Power):** Connect the generator or secondary power lines to the 'Source B' input terminals.
- **Load:** Connect the electrical circuits or appliances you wish to power to the 'Load' output terminals.
- Ensure correct phase and neutral connections.
- Tighten all screw terminals firmly to prevent loose connections and potential hazards.

6. OPERATING INSTRUCTIONS

6.1 Manual Operation

The ATS can be manually switched between power sources using the selector switch on the front panel.

1. Ensure the selector switch is in the 'Manual' position.
2. Rotate the switch to select either 'Source A' or 'Source B' to supply power to the load.
3. Observe the indicator lights to confirm the active power source.

6.2 Automatic Operation

For automatic power transfer, set the selector switch to the 'Auto' position.

- When 'Source A' (City Power) is available, the ATS will automatically connect the load to Source A.
- If 'Source A' fails, the ATS will detect the outage and, after a pre-set delay, automatically switch the load to 'Source B' (Generator), provided Source B is available and stable.
- When 'Source A' is restored, the ATS will automatically switch the load back to Source A after a pre-set delay.
- Indicator lights will show the status of each source and which source is currently supplying power.

6.3 WiFi Connectivity and EWelink App

The TOMZN TOQ7e integrates with the EWelink app for remote monitoring and control.

1. **Download EWelink 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. **Add Device:** Follow the in-app instructions to add a new device. This typically involves putting the ATS into pairing mode (refer to the device's specific pairing instructions, usually by pressing and holding a button) and connecting to your home WiFi network.
4. **Remote Control & Monitoring:** Once connected, you can monitor the status of both power sources, view current power usage (if supported by the specific model), and remotely switch between manual and auto modes, or even trigger a manual transfer.
5. **Timer Functions:** Utilize the app's timer features to schedule power transfers or monitor events.

7. MAINTENANCE

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

- **Periodic Inspection:** Annually inspect the device for any signs of physical damage, loose connections, or discoloration.
- **Cleanliness:** Keep the device free from dust and debris. Use a dry, soft cloth for cleaning. Do not use liquid cleaners.
- **Terminal Tightness:** Periodically check and re-tighten all screw terminals to ensure secure electrical connections.
- **Functionality Test:** Periodically test the automatic transfer function by simulating a power outage (e.g., by temporarily disconnecting Source A, if safe to do so and with proper precautions).

8. TROUBLESHOOTING

If you encounter issues with your TOMZN TOQ7e ATS, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
---------	----------------	----------



Problem	Possible Cause	Solution
Device not switching automatically	Selector switch in 'Manual' position. One or both power sources unavailable/unstable.	Set selector to 'Auto'. Check power supply to Source A and Source B. Ensure generator is running and stable.
No power output to load	No active power source. Overload or short circuit tripped internal protection. Loose wiring.	Verify both Source A and Source B are active. Check for tripped circuit breakers upstream. Inspect and tighten all wiring connections.
WiFi connection issues	Incorrect WiFi password. Device too far from router. Router issues.	Ensure correct WiFi password. Move device closer to router or use a WiFi extender. Restart router. Re-attempt pairing process.
Indicator lights not working	No power to the device. Faulty unit.	Check power supply. If power is present and lights are still off, contact support.

If the problem persists after attempting these solutions, contact customer support or a qualified electrician.

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the documentation provided at the point of purchase or contact your seller directly. Ensure you have your product model number and purchase date available when contacting support.

Related Documents - TOQ7e

	<p>TOMZN TOQ7e Series Wi-Fi Smart Automatic Transfer Switch Instruction Manual</p> <p>Comprehensive instruction manual for the TOMZN TOQ7e series Wi-Fi Smart Automatic Transfer Switch, detailing installation, operation, technical specifications, and remote control features for reliable power management.</p>
	<p>DTS238-7: 3-Phase Wi-Fi Smart Energy Meter - HIKING TOMZN Technical Specification</p> <p>Comprehensive technical datasheet for the HIKING TOMZN DTS238-7 DIN rail 3-phase Wi-Fi smart energy meter. Details specifications, features, communication protocols (RS485, Wi-Fi), app control, installation, and warranty information.</p>

