

RWRAPS 2P 125A ATS

RWRAPS 2P 125A 220V Automatic Transfer Switch User Manual

Model: 2P 125A ATS | Brand: RWRAPS

1. INTRODUCTION

Thank you for choosing the RWRAPS 2P 125A 220V Automatic Transfer Switch (ATS). This manual provides essential information for the safe installation, operation, and maintenance of your device. Please read this manual thoroughly before installation and use to ensure proper function and to prevent potential hazards.

2. SAFETY INFORMATION

WARNING: Electrical shock hazard. Installation and servicing must be performed by qualified personnel only.

- Always disconnect all power sources before installing, servicing, or performing any maintenance on the ATS.
- Ensure that the voltage and current ratings of the ATS match your electrical system requirements.
- Use appropriate personal protective equipment (PPE) when working with electrical systems.
- Do not operate the ATS if it appears damaged or if any components are missing.
- Proper grounding is essential for safe operation.

3. PRODUCT FEATURES

- **Silver Contacts:** Utilizes silver contacts to enhance conductivity and extend product lifespan.
- **User-Friendly Design:** Features a built-in signal output port for connecting indicator lights, allowing convenient observation of operational status from outside the cabinet.
- **Reliable Performance:** Offers good insulation, high-temperature resistance, anti-aging properties, ensuring safe and dependable operation.

- **Automatic Power Transfer:** Automatically switches to backup power when the normal power supply is interrupted, ensuring continuous and reliable power.
- **Versatile Application:** Ideal for seamless switching between main and backup power sources during outages and restoration.

4. SETUP AND INSTALLATION

Installation of the RWRAPS Automatic Transfer Switch requires knowledge of electrical systems. It is strongly recommended that installation be performed by a licensed electrician to ensure compliance with local electrical codes and safety standards.

4.1. General Installation Guidelines

1. Mount the ATS securely in a dry, well-ventilated area, away from flammable materials and excessive moisture.
2. Ensure adequate clearance around the unit for ventilation and future servicing.
3. Connect the main power supply and backup power supply to the designated terminals. Refer to the wiring diagram provided with the product packaging for specific connection points.
4. Connect the load to the output terminals of the ATS.
5. Verify all connections are tight and secure before applying power.



Figure 1: Front View of RWRAPS Automatic Transfer Switch

This image displays the front panel of the RWRAPS Automatic Transfer Switch. Key components visible include the main

rotary switch handle with a red arrow indicating direction, a red toggle switch for 'Automatic' or 'Manual' mode selection, and indicator lights labeled 'Common power supply', 'Common closing', 'Standby closing', and 'Backup power'. The terminals for neutral (N) and phase (R) connections are also partially visible on the sides.

5. OPERATING INSTRUCTIONS

The RWRAPS ATS can operate in either Automatic or Manual mode. The mode is selected using the red toggle switch located above the main rotary handle.

5.1. Mode Selection

- **Automatic Mode:** Flip the red toggle switch to the 'Automatic' position. In this mode, the ATS will automatically detect power outages from the main supply and transfer the load to the backup supply. When main power is restored, it will automatically switch back.
- **Manual Mode:** Flip the red toggle switch to the 'Manual' position. In this mode, power transfer is controlled manually using the large rotary handle.

5.2. Manual Operation (if in Manual Mode)

To manually switch between power sources:

1. Ensure the red toggle switch is in the 'Manual' position.
2. Rotate the large white handle to the desired power source position. The red arrow on the handle indicates the currently selected source.

5.3. Indicator Lights

The ATS features several indicator lights to show its operational status:

- **Common power supply:** Indicates the main power source is active.
- **Common closing:** Indicates the main power source is connected to the load.
- **Standby closing:** Indicates the backup power source is connected to the load.
- **Backup power:** Indicates the backup power source is active.

6. MAINTENANCE

Regular maintenance ensures the longevity and reliable operation of your ATS. Always disconnect power before performing any maintenance.

- **Periodic Inspection:** Annually inspect the ATS for any signs of physical damage, loose connections, or corrosion.
- **Cleaning:** Keep the unit clean and free from dust and debris. Use a dry, soft cloth for cleaning. Do not use liquid cleaners.
- **Terminal Check:** Periodically check all terminal connections to ensure they are tight. Loose connections can lead to overheating and potential failure.

7. TROUBLESHOOTING

If you encounter issues with your RWRAPS ATS, refer to the following common problems and solutions:

- **No Power to Load:**

- Check if both main and backup power sources are active.
- Verify the ATS is in the correct operating mode (Automatic or Manual).
- Inspect circuit breakers or fuses for both power sources.

- **ATS Not Transferring Automatically:**

- Ensure the toggle switch is set to 'Automatic'.
- Confirm that the main power supply is indeed absent or below acceptable levels.
- Check for any error indicators or unusual sounds.

- **Overheating:**

- Ensure proper ventilation around the unit.
- Check for loose connections at terminals.
- Verify that the load does not exceed the ATS's rated current (125A).

For issues not resolved by these steps, please contact a qualified electrician or RWRAPS customer support.

8. SPECIFICATIONS

Specification	Detail
Brand	RWRAPS
Model	2P 125A ATS
Actuator Type	Rotary
Number of Positions	2
Current Rating	125A
Voltage Rating	220V
Poles	2P
Connectivity Protocol	X-10
Switch Type	Automatic Transfer Switch
Material (Contacts)	Silver
Item Weight	2.2 pounds

9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your purchase or contact your retailer. Keep your purchase receipt as proof of purchase for any warranty claims.

