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Generac RXSC200A3

Generac RXSC200A3 200-Amp Automatic Transfer Switch User Manual

Model: RXSC200A3 | Brand: Generac

1. INTRODUCTION

The Generac RXSC200A3 is a 200-Amp automatic transfer switch designed for single-phase 120/240V standby generator systems. This device works in conjunction with compatible Generac Evolution or Nexus controllers to monitor utility power. Upon detecting an outage, it automatically transfers the electrical load from the utility grid to your standby generator. When utility power is restored, the switch seamlessly transfers the load back, ensuring continuous power supply to your home or business. It features integrated load management capabilities, supporting control of up to four HVAC circuits, and is expandable with Smart Management Modules for optimized power distribution.

2. IMPORTANT SAFETY INFORMATION

WARNING: Installation and service of this transfer switch must be performed by a qualified electrician or authorized service technician. Improper installation can result in serious injury, death, or property damage. Always disconnect power before servicing.

- Read and understand all instructions in this manual before installation or operation.
- Ensure all local electrical codes and regulations are followed.
- Verify that the generator and transfer switch are properly grounded.
- Do not operate the transfer switch if it appears damaged.
- Keep children and unauthorized personnel away from the equipment.
- This unit operates at high voltage. Contact with live components can be fatal.

3. WHAT'S IN THE BOX

Upon unpacking, verify that all components are present:

- (1) Generac RXSC200A3 Automatic Transfer Switch enclosure with integrated controller and contactor
- Owner's Manual
- Warranty Sheet

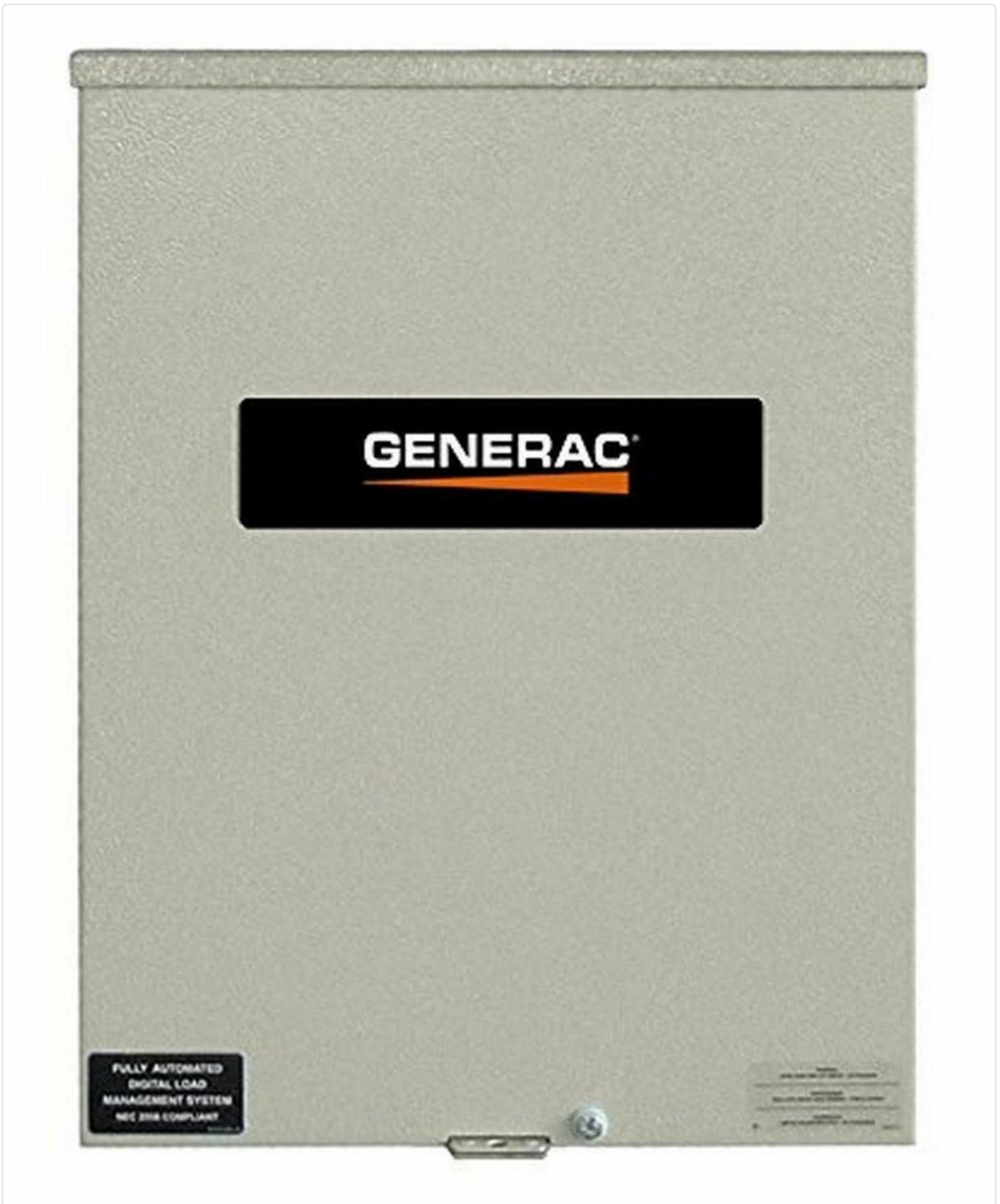


Image: Generac RXSC200A3 200-Amp Automatic Transfer Switch. This image shows the main product unit, a grey metal enclosure designed for outdoor installation.

4. SETUP AND INSTALLATION

Installation of the Generac RXSC200A3 transfer switch requires professional expertise. It must be installed by a licensed electrician or Generac-certified technician to ensure compliance with all electrical codes and safety standards.

4.1. Pre-Installation Checks

- Confirm compatibility with your Generac standby generator (Evolution or Nexus controllers).

- Ensure the electrical service is 200A, single-phase 120/240V.
- Verify the installation location is suitable for a NEMA 3R outdoor-rated enclosure.

4.2. Mounting the Transfer Switch

Mount the NEMA 3R enclosure securely to a rigid surface, ensuring adequate clearance for wiring and ventilation. Refer to the detailed diagrams in the included owner's manual for specific mounting hole locations and dimensions.



Image: Installation of Generac Transfer Switch. This image illustrates the internal components and wiring connections of a transfer switch during installation, highlighting the fuse and various terminals.

4.3. Electrical Connections

Connect the utility power, generator power, and home load circuits to the designated terminals within the transfer switch. Follow the wiring diagrams provided in the owner's manual precisely. The transfer switch features an open-transition design, meaning there is a momentary interruption of power during transfer between utility and generator.

4.4. Load Management Configuration

The integrated load management technology allows for control of up to four HVAC circuits to prevent generator overload. For expanded whole-home backup power, Smart Management Modules can be added to shed and prioritize additional loads. Consult the owner's manual for detailed instructions on configuring load management settings and installing Smart Management Modules.

5. OPERATING INSTRUCTIONS

The Generac RXSC200A3 transfer switch operates automatically in conjunction with your Generac standby generator's controller.

5.1. Automatic Operation

- **Utility Power Available:** The transfer switch directs utility power to your home's electrical panel.
- **Utility Power Outage:** When the generator controller detects a loss of utility power, it signals the generator to start. Once the generator reaches proper operating voltage and frequency, the transfer switch automatically moves the electrical load from the utility to the generator.
- **Utility Power Restored:** When utility power returns and stabilizes, the transfer switch automatically transfers the electrical load back to the utility. The generator will then enter a cool-down period before shutting down.

5.2. Manual Operation (Emergency Override)

In emergency situations or for maintenance, the transfer switch may have a manual override function. Refer to your specific generator and transfer switch owner's manuals for instructions on safe manual operation. Always ensure the generator is off and locked out before attempting any manual transfer.

6. MAINTENANCE

Regular maintenance ensures the longevity and reliable operation of your Generac transfer switch. All maintenance should be performed by qualified personnel.

- **Annual Inspection:** Have a qualified technician inspect the transfer switch annually. This includes checking electrical connections for tightness, inspecting contactors for wear, and verifying proper operation of the control circuits.
- **Enclosure Integrity:** Periodically inspect the NEMA 3R enclosure for any signs of damage, corrosion, or compromised seals. Ensure the enclosure remains watertight to protect internal components.
- **Cleaning:** Keep the exterior of the enclosure clean. Do not use harsh chemicals or abrasive cleaners.
- **Firmware Updates:** Ensure your generator controller and transfer switch firmware are up-to-date, if applicable, as recommended by Generac.

7. TROUBLESHOOTING

If you experience issues with your Generac RXSC200A3 transfer switch, consult the following basic troubleshooting guide. For complex issues, contact a qualified service technician.

Problem	Possible Cause	Solution
Transfer switch does not transfer to generator during outage.	Generator not starting; control wiring issue; transfer switch fault.	Check generator status. Verify control wiring connections. Contact service technician.
Transfer switch does not return to utility power.	Utility power not stable; control wiring issue; transfer switch fault.	Confirm utility power is restored and stable. Check control wiring. Contact service technician.
Loud buzzing noise from transfer switch.	Loose connections; contactor issue.	Immediately disconnect power. Have a qualified electrician inspect and tighten connections or replace faulty components.
No power to home after transfer.	Generator overload; tripped circuit breakers (in home or generator); transfer switch fault.	Reduce load on generator. Check and reset circuit breakers. Contact service technician.

8. SPECIFICATIONS

Feature	Detail
Model Number	RXSC200A3
Current Rating	200 Amps
Operating Voltage	120/240 Volts Single Phase
Operation Mode	Automatic
Enclosure Type	NEMA 3R Outdoor-Rated
Controller Type	Non-Service Rated (for use with external service disconnect)
Contact Type	Normally Open
Connector Type	Screw Terminals
Item Dimensions (L x W x H)	14.6 x 7.09 x 20 inches

Feature	Detail
Item Weight	19 pounds
International Protection Rating	IP54
Compatible Generators	Generac standby generators with Evolution or Nexus controllers

9. WARRANTY INFORMATION

Generac provides a limited warranty for the RXSC200A3 Automatic Transfer Switch. The specific terms and duration of the warranty are detailed in the warranty sheet included with your product. Please retain your proof of purchase for warranty claims.

EU Spare Part Availability: Spare parts for this product are available for a duration of 5 years from the date of manufacture. For complete warranty details, refer to the official Generac warranty documentation or visit the Generac website.

10. SUPPORT AND CONTACT

For technical assistance, service, or to locate an authorized Generac dealer, please visit the official Generac website or contact Generac customer support.

Online Resources: [Visit the Generac Store on Amazon](#)

Always provide your product model number (RXSC200A3) and serial number when contacting support for faster service.