

INSTRUCTION SHEET

Neutral Terminal to Transfer Switch

Intended for Intended for All Transfer Switch Models



Automatic start-up. Disconnect utility power and render unit inoperable before working on unit. Failure to do so will result in death or serious injury.

(D000191)



Consult Manual. Read and understand manual completely before using product. Failure to completely understand manual and product could result in death or serious injury.

(W000100)



Equipment damage. Only qualified service personnel may install, operate, and maintain this equipment. Failure to follow proper installation requirements could result in death, serious injury, and equipment or property damage.

(W000182)

This instruction sheet brings Generac RX or RT series transfer switches into compliance with NEC 2023. It provides instruction on how to add an additional neutral control wire between the switch and generator.

This additional neutral wire connects inside the switch at the Neutral terminal. The additional wire connects to the same connection point as the factory black and white wire on the Neutral Terminal. Depending on transfer switch model, the factory black and white wire coming from the Neutral terminal comes from the Smart AC Module (SACM) or Fused Control Module.

Follow all instructions in the Home Standby Installation Manual to provide the connection point to the Home Standby Generator.

Table -1. Components Included for Adding Neutral Terminal

Part Number	Description	Qty.
G026902	SCREW HHTT #8-32 X 1/4 CZ	1
G058353	LUG RNGTNG INS 22-18 X8 X.322	1

NOTE: For switches with a circuit breaker load center, ring terminal and screw are not included. The neutral connection will be connected to the load center neutral lug bar.

Preparing for Installation



Automatic start-up. Disconnect utility power and render unit inoperable before working on unit. Failure to do so will result in death or serious injury.

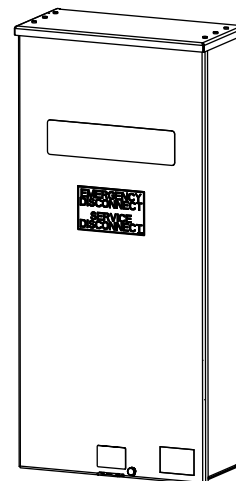
(D000191)

NOTE: Neutral ring terminal is to be installed in tandem with the normal installation of the transfer switch. Terminate the white with blue stripe (00) neutral (18 AWG) wire from Homestandby generator.

NOTE: Open and work with the specific transfer switch model according to owner's manual.

Installing Generator Neutral Wire for Transfer Switches without a Breaker Load Center

1. Disconnect utility, or turn service circuit breaker OFF, to disconnect all power to transfer switch.



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Figure 1. Automatic Transfer Switch (RXSW200A3 Shown as Example)

2. Verify back-up generation is de-activated.

3. **Figure 2.** Remove front cover and dead front.

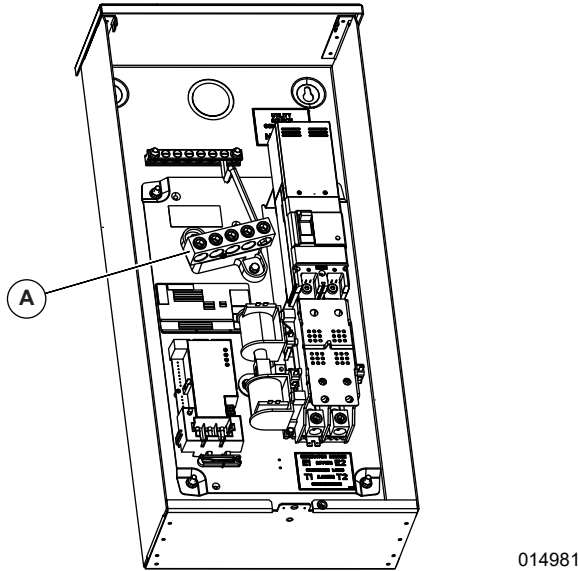


Figure 2. Remove Front Cover (RXSW200A3 Shown as Example)

4. Locate the connection point on the neutral lug bar.

NOTE: Some switch models will have a ring terminal already connected to the bar.

5. Crimp the white (00) Neutral (18 AWG) neutral wire from the generator to the provided ring terminal (G058353).

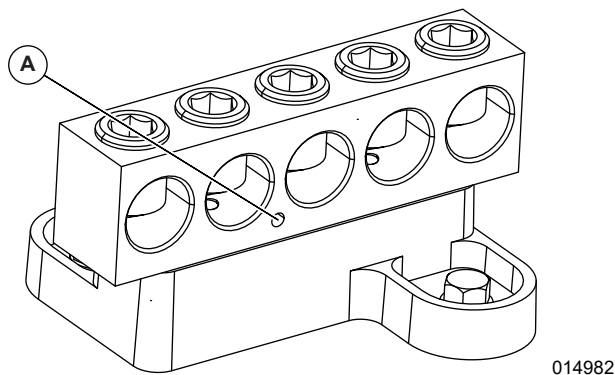


Figure 3. Neutral Bar (RXSW200A3 Shown as Example)

NOTE: Depending on transfer switch model, it may or may not have a preexisting neutral connection (with a ring terminal).

6. To install neutral ring terminal:
 - a. If there is a screw (A) used to connect an existing neutral connection, loosen the screw and connect the new white with blue stripe (00)

neutral (18 AWG) connection, using the original screw. Tighten both ring terminals to approximately 11 in-lbs.

- b. If there is nothing connected to the neutral bar, use the provided self thread tapping screw (G026902) and tighten the ring terminal (G058353) to approximately 11 in-lbs.

7. Assemble transfer switch panels.
8. Complete transfer switch installation according to the owner's manual.
9. Test switch functions per the transfer switch owner's manual.

NOTE: Refer to the transfer switch's owner's manual for wiring and schematic diagrams.

Installing Generator Neutral Wire for Transfer Switches with a Breaker Load Center

1. Disconnect utility, or turn service circuit breaker OFF, to disconnect all power to transfer switch.
2. Verify back-up generation is de-activated.

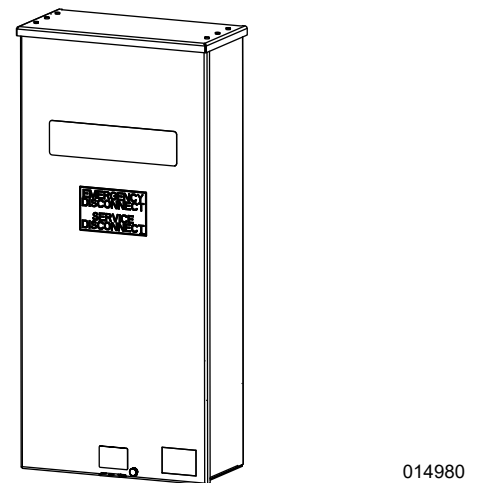
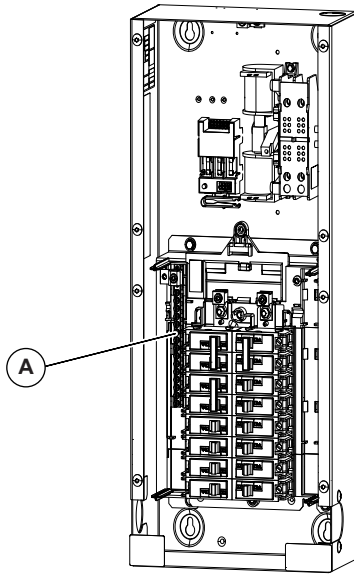


Figure 4. Automatic Transfer Switch (RXSW200A3 Shown as Example)

3. Remove front cover and dead front.
4. See Figure 5. Locate the connection point on the neutral lug bar (A).
5. Install white with blue stripe (00) neutral (18 AWG) wire and tighten the screw.



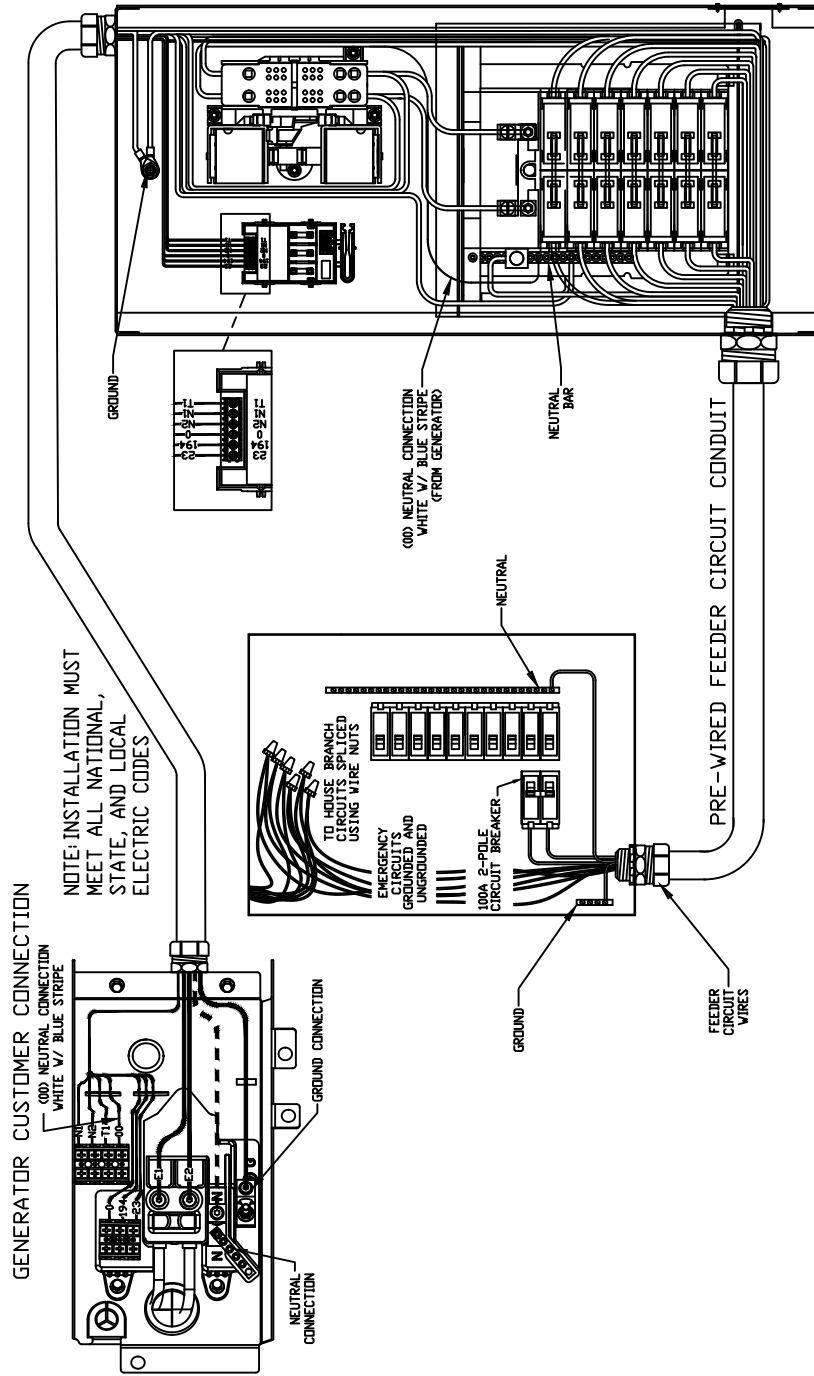
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Figure 5. Neutral Lug Bar (RXG16EZA1W Shown as Example)

6. Assemble transfer switch panels.
7. Complete transfer switch installation according to the owner's manual.
8. Test switch functions per the transfer switch owner's manual.

NOTE: Refer to the transfer switch's owner's manual for wiring and schematic diagrams.

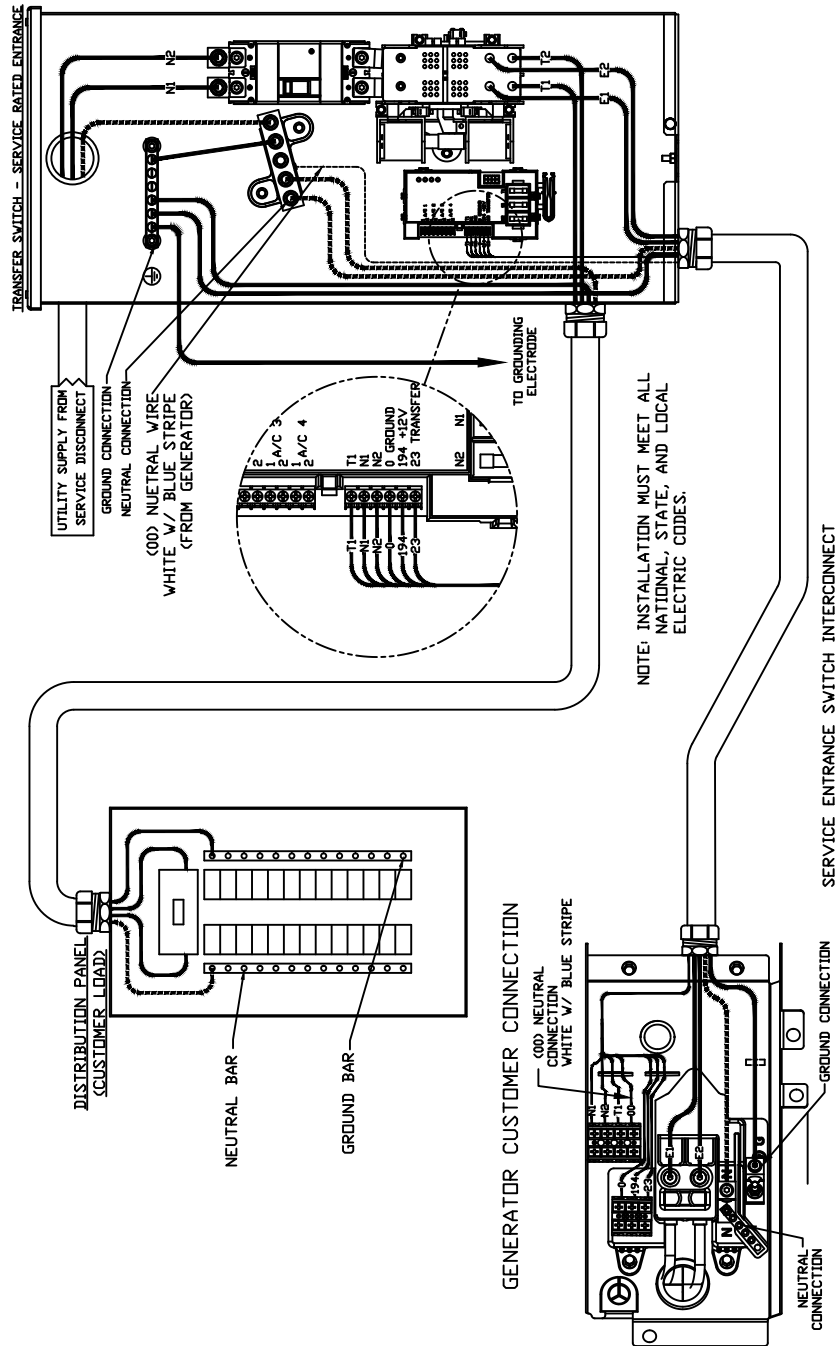
Interconnect Diagram—Transfer Switch with Load Center



REVISION: "A"
DATE: 03/09/23

INTERCONNECT DIAGRAM
NSE W LOAD CNTR AIR COOLED GEN
DRAWING #: A0004115212

Interconnect Diagram—Service Entrance Transfer Switch



REVISION: "A"
DATE: 03/09/23

INTERCONNECT DIAGRAM
SE RTX AIR COOLED GEN
DRAWING #: A0004115214