

2010 EZ Switch to 2010 Nexus Air-cooled Generator

Wiring Diagrams are found in the Switch Installation Guide

EZ Prewired Switch & Nexus Generator - 5 wires

- N1 - Utility sensing
- N2 - Utility sensing
- 194 - Transfer relay control
- 23 - Transfer relay control
- T1 - 120VAC for Battery Charger

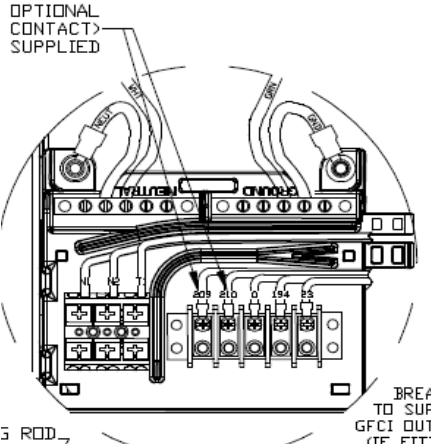
No 0 wire is required for EZ Switch & Nexus Generator

All control wiring to be minimum 14AWG 300VAC rating
Recommended wire type THHN

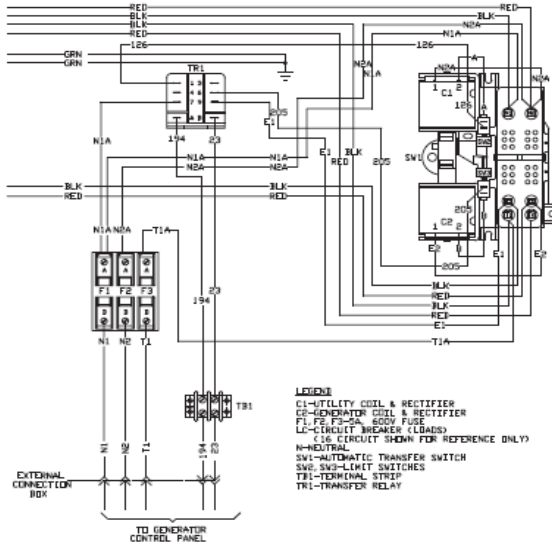
Control system interconnections (Electrical Data section) consist of UTILITY 1 (N1), UTILITY 2 (N2) and LOAD (T1), and leads 23, 0 and 194. Recommended wire gauge sizes for this wiring depends on the length of the wire, as recommended in the following chart:

MAXIMUM WIRE LENGTH	RECOMMENDED WIRE SIZE
460 feet (140m)	No. 18 AWG.
461 to 730 feet (223m)	No. 16 AWG.
731 to 1,160 feet (354m)	No. 14 AWG.
1,161 to 1,850 feet (565m)	No. 12 AWG.

Generator Nexus Board

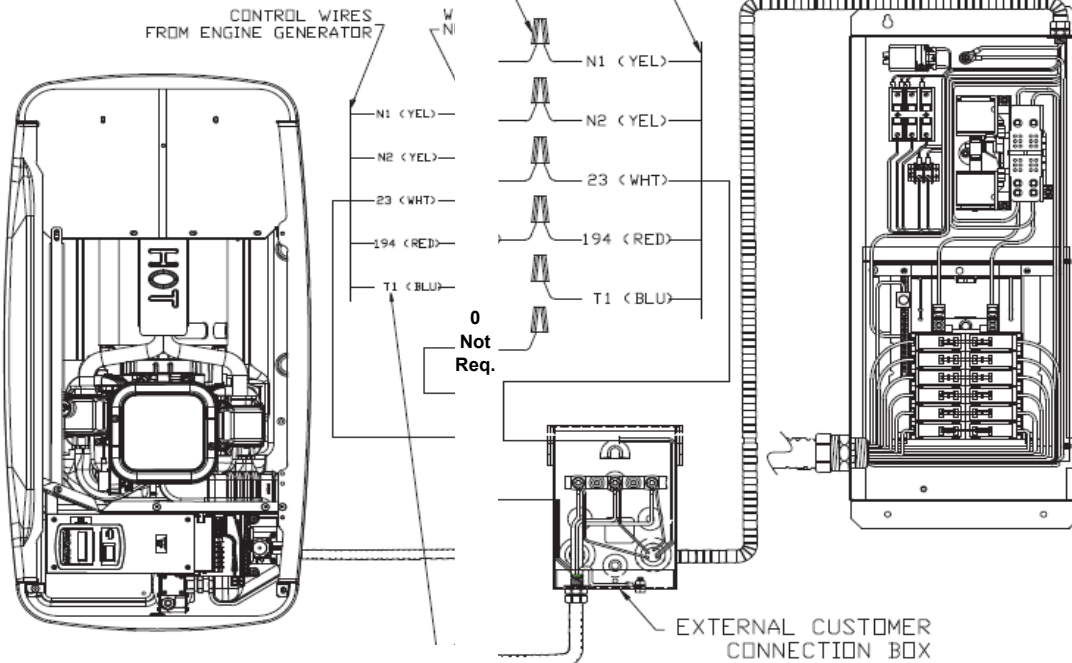


EZ Switch



10 & Later EZ Switch

* 10" & LATER HSB AIR-COOLED GENERATORS SINGLE & V-TWIN ENGINES



2010 Nexus RTSD Switch to 2010 Nexus Air-cooled Generator

Wiring Diagrams are found in the Switch Installation Guide

Nexus Whole House Switches - RTSD to Nexus Generator - 6 Wires

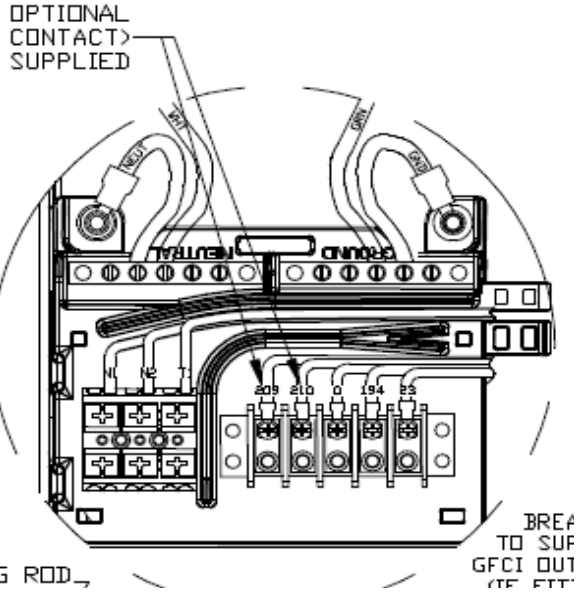
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- N2 - Utility sensing
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- T1 - 120VAC for Battery Charger
- 0 - for Battery charger

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Recommended wire type THHN

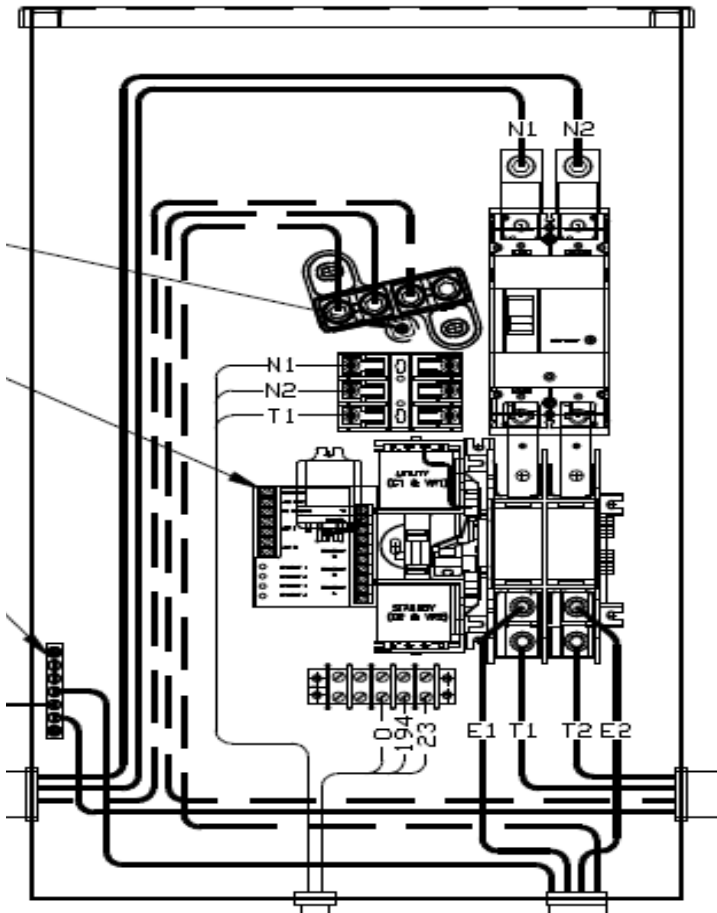
Generator Nexus Board

Control system interconnections (Electrical Data section) consist of UTILITY 1 (N1), UTILITY 2 (N2) and LOAD (T1), and leads 23, 0 and 194. Recommended wire gauge sizes for this wiring depends on the length of the wire, as recommended in the following chart:

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SERVICE DISCONNECT ATS



RTSD Switch

2010 Nexus RTSX Switch to 2010 Nexus Air-cooled Generator

Wiring Diagrams are found in the Switch Installation Guide

Nexus Whole House Switches - RTSX to Nexus Generator - 6 Wires

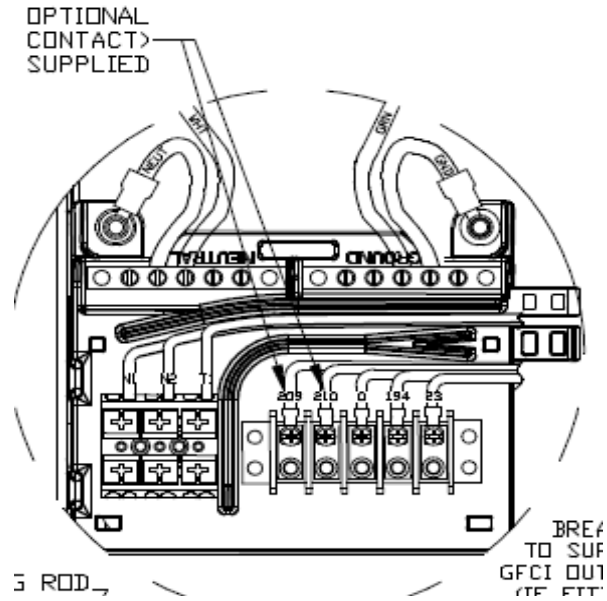
- N1** - Utility sensing
- N2** - Utility sensing
- 23** - Transfer relay control
- 194** - Transfer relay control
- T1** - 120VAC for Battery Charger
- 0** - for Battery charger

All control wiring to be minimum 14AWG 300VAC rating
Recommended wire type THHN

Generator Nexus Board

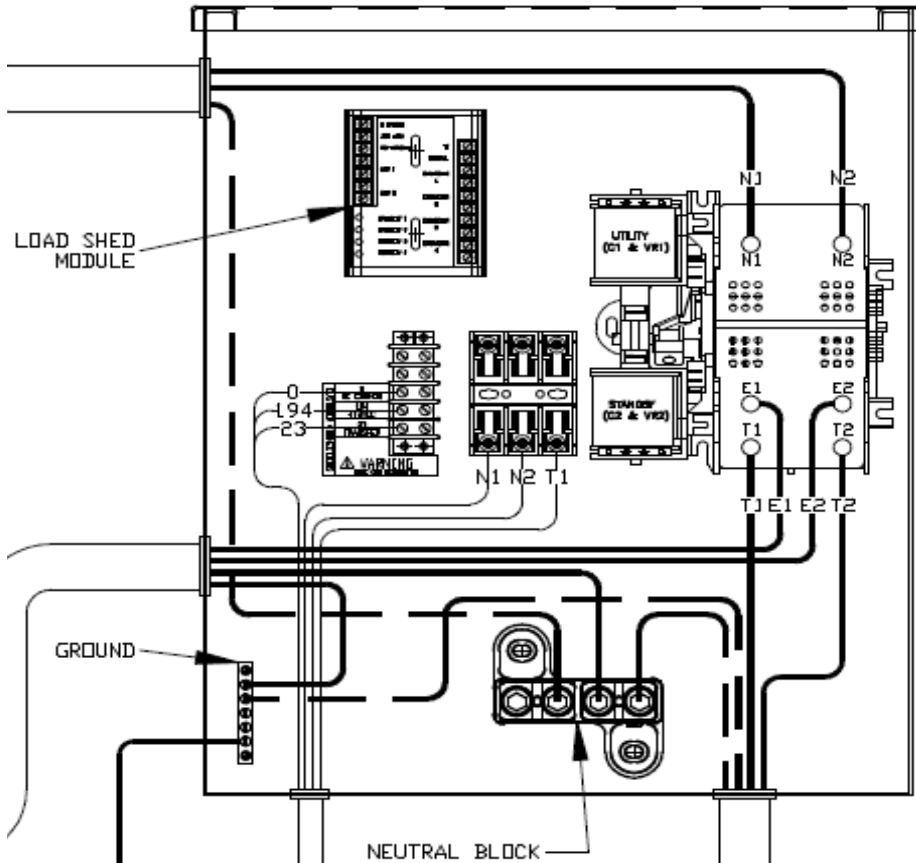
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RTSX Switch

RTS TRANSFER SWITCH



2010 Nexus RTSJ Switch to 2010 Nexus Air-cooled Generator

Wiring Diagrams are found in the Switch Installation Guide

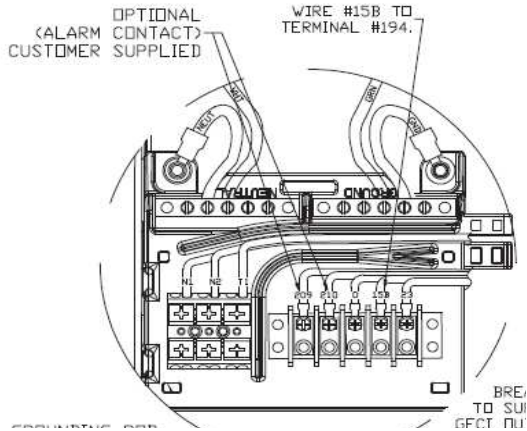
Nexus RTSJ Load Shed Switch to Nexus Generator

- N1 - Utility sensing
- N2 - Utility sensing
- 23 - Transfer relay control
- 15B/194 - Transfer relay control (15B from switch to 194 on Generator)
- T1 - 120VAC for Battery Charger
- 0 - for Battery charger

All control wiring to be minimum 14AWG 300VAC rating

Recommended wire type THHN

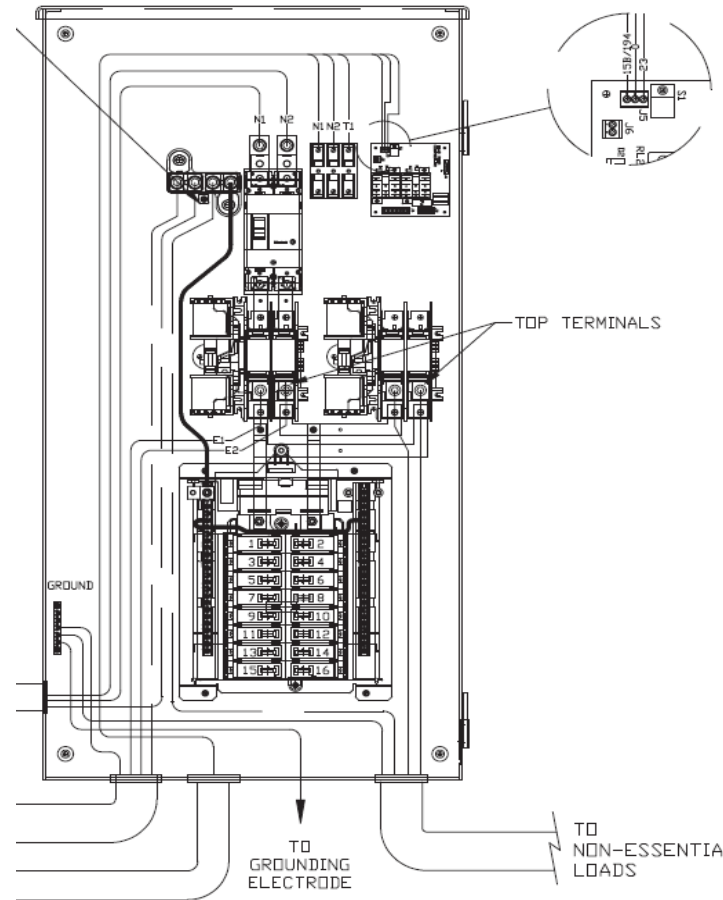
Generator Nexus Board



Control system interconnections (Electrical Data section) consist of UTILITY 1 (N1), UTILITY 2 (N2) and LOAD (T1), and leads 23, 0 and 194. Recommended wire gauge sizes for this wiring depends on the length of the wire, as recommended in the following chart:

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RTSJ Panel



2010 GenReady Switch to 2010 Nexus Air-cooled Generator

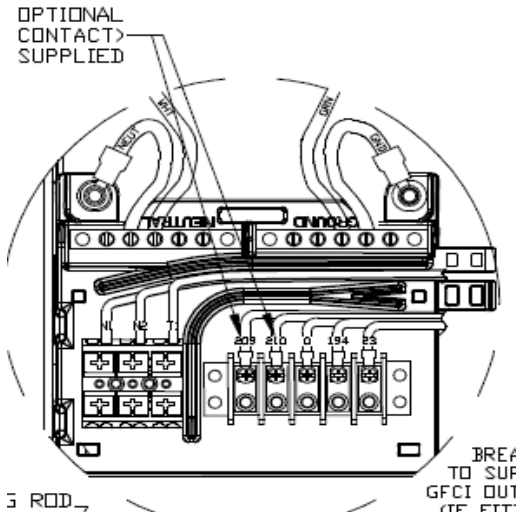
Wiring Diagrams are found in the Switch Installation Guide

GenReady Switch to Nexus Generator

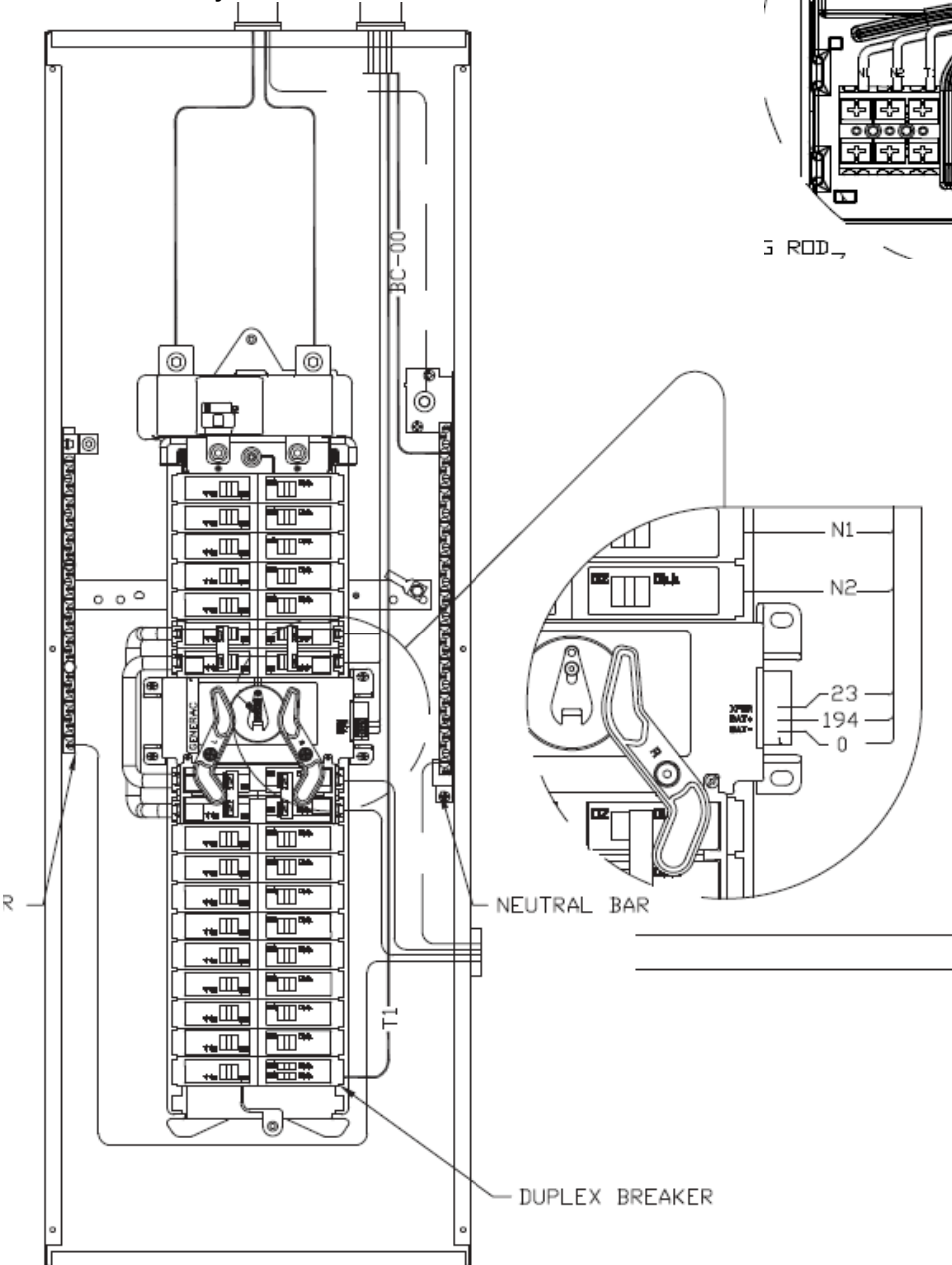
- N1 - Utility sensing
- N2 - Utility sensing
- 23 - Transfer relay control
- 15B/194 - Transfer relay control (15B from switch to 194 on Generator)
- T1 - 120VAC for Battery Charger
- 0 - for Battery charger

All control wiring to be minimum 14AWG 300VAC rating
 Recommended wire type THHN

Generator Nexus Board



GenReady Panel



Pre 2010 RTS Load Center (RTSD 8 Circuit) to 2010 Nexus Air-cooled Generator

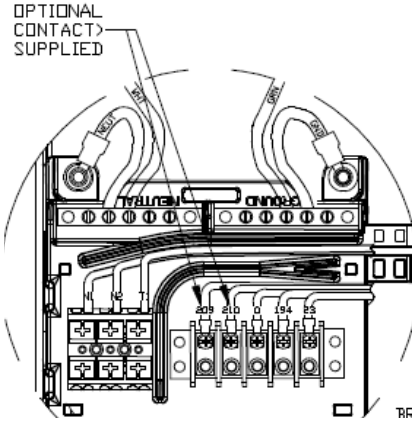
Wiring Diagrams are found in the Switch Installation Guide

8 Circuit RTSD Switch to Nexus Generator

- N1 - Utility sensing
- N2 - Utility sensing
- 23 - Transfer relay control
- 194 - Transfer relay control
- T1 - 120VAC for Battery Charger-see below
- 0 - Not Required

Need kit OG9254

You may disconnect 0 Wire at Transfer switch and use it for T1.



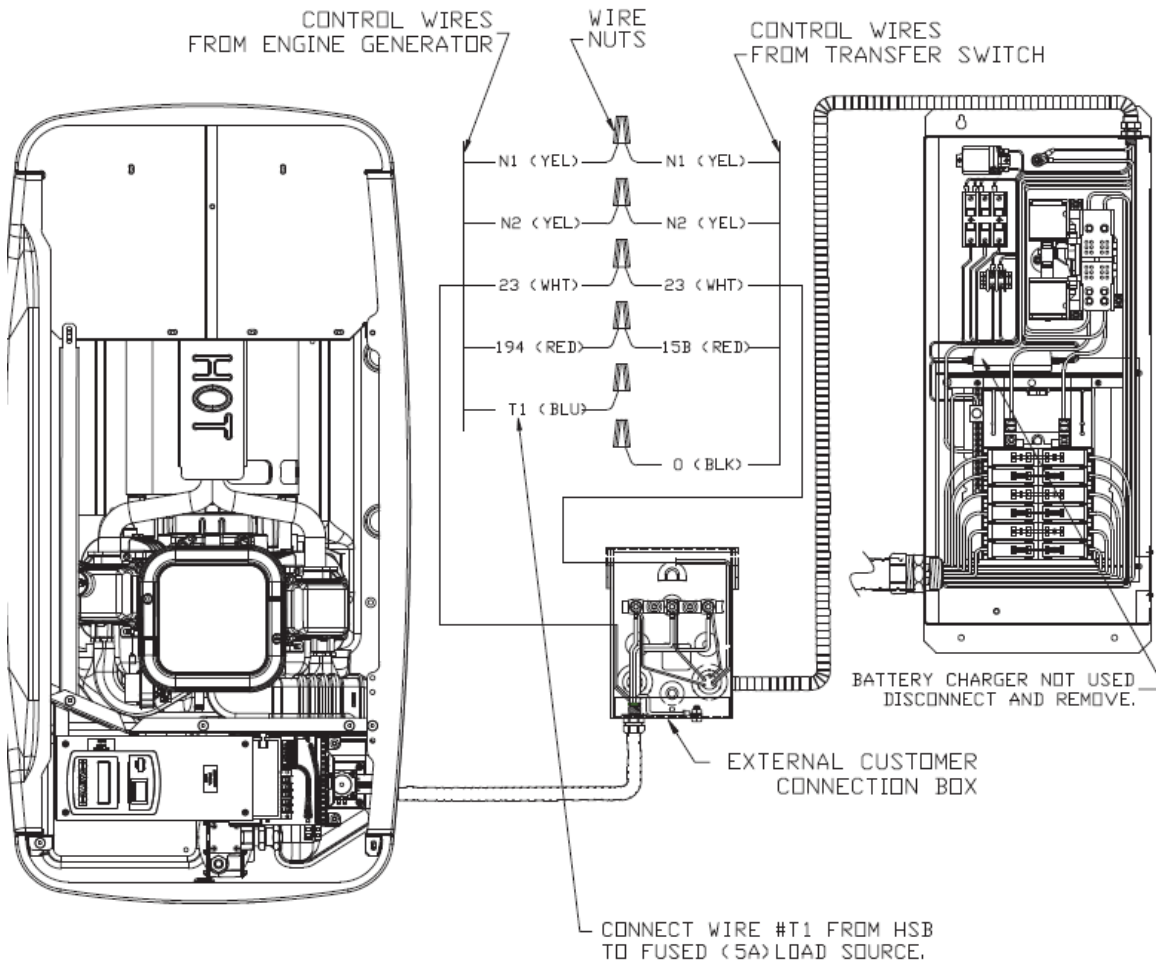
Generator Nexus Panel

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 Recommended wire type THHN
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" 10" & LATER HSB
 AIR-COOLED GENERATORS
 SINGLE & V-TWIN ENGINES

PRE " 10"
 RTSD LOAD CENTER
 TRANSFER SWITCH



- 1) INSTALL KIT PART NO. OG9254 ON ATS. ROUTE T1 WIRE (FUSED LOAD SUPPLY) IN 30 FT. CONDUIT TO EXT. CONNECTION BOX. CONNECT TO T1 WIRE FROM HSB OR,
- 2) ROUTE 120 VAC 15A CIRCUIT FROM GENERATOR PROTECTED PANELBOARD TO T1 IN THE GENERATOR CONTROL PANEL. NEUTRAL TO NEUTRAL TERMINAL.