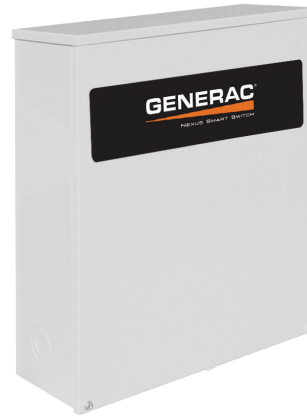
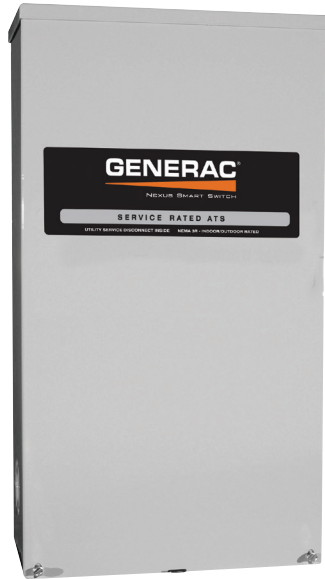


Nexus Smart Switch™

Nexus™ Series Automatic Transfer Switches with Digital Load Management Technology

100 - 400 Amps, Single Phase



DESCRIPTION

Generac Nexus Smart Switches are designed for use with single phase generators that utilize a Nexus Controller. The 100, 150, 200 and 400 amp open transition switches are available in single phase in both service rated and non-service rated configurations.

STANDARD FEATURES

All Nexus Smart Switches are housed in an aluminum NEMA/UL Type 3R enclosure*, with electrostatically applied and baked powder paint. The Heavy Duty Generac Contactor is a UL recognized device, designed for years of service. The control at the generator handles all the timing, sensing and exercising functions.

* The 400 amp Non-Service Rated Switch is housed in a steel enclosure.

DLM TECHNOLOGY

Through the use of Digital Load Management technology (DLM), each of these switches has the capability to truly manage two air conditioning loads with no additional hardware. When used in tandem with the individual DLM modules, up to four more additional loads can be intelligently managed individually.

100-400 Amps, Single Phase

Functions

All Timing and sensing functions originate in the generator controller

| | |
|-------------------------------|---|
| Utility voltage drop-out..... | <60% |
| Timer to generator start..... | 10 second factory set, adjustable between 10-30 seconds |
| Engine warm up delay..... | 5 seconds |
| Standby voltage sensor..... | 60% for 5 seconds |
| Utility voltage pickup..... | >80% |
| Re-transfer time delay..... | 15 seconds |
| Engine cool-down timer..... | 60 seconds |
| Exerciser..... | 12 minutes every 7 days |

The transfer switch can be operated manually without power applied.

Specifications

| Model | RTSX100A3 | RTSD100A3 | RTSD150A3 | RTSX200A3 | RTSD200A3 | RTSX400A3 | RTSD400A3 |
|----------------------------------|-----------------|-------------------------------|-------------------------------|-----------------|-------------------------------|---------------------------|-------------------------------|
| Amps | 100 | 100 | 150 | 200 | 200 | 400 | 400 |
| Voltage | 120/240, 1Ø | 120/240, 1Ø | 120/240, 1Ø | 120/240, 1Ø | 120/240, 1Ø | 120/240, 1Ø | 120/240, 1Ø |
| Load Transition Type (Automatic) | Open Transition | Open Transition Service Rated | Open Transition Service Rated | Open Transition | Open Transition Service Rated | Open Transition | Open Transition Service Rated |
| Enclosure Type | NEMA 3R | NEMA 3R | NEMA 3R | NEMA 3R | NEMA 3R | NEMA 3R | NEMA 3R |
| UL Rating | UL/CUL | UL | UL | UL/CUL | UL | UL/CUL | UL |
| Withstand Rating (Amps) | 10,000 | 10,000 | 22,000 | 10,000 | 22,000 | 18,000 | 22,000 |
| Lug Range | 2/0 - #14 | | 400 MCM - #4 | | | 600 MCM - #4 or 2-250 MCM | |

Dimensions

| Model | | RTSX100A3 | RTSD100A3 | RTSD150A3 | RTSX200A3 | RTSD200A3 | RTSX400A3 | RTSD400A3 |
|---------------------|----|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| Height (in./mm) | H1 | 17.24/437.9 | 17.24/437.9 | 27.24/691.9 | 17.24/437.9 | 27.24/691.9 | 31.25/793.8 | 42.91/1089.9 |
| | H2 | 20/508 | 20/508 | 30/762 | 20/508 | 30/762 | 36/914.4 | 48/1219.2 |
| Width (in./mm) | W1 | 12.5/317.5 | 12.5/317.5 | 11.4/289.6 | 12.5/317.5 | 11.4/289.6 | 19.18/487.2 | 16.69/423.9 |
| | W2 | 14.6/370.8 | 14.6/370.8 | 13.5/342.9 | 14.6/370.8 | 13.5/342.9 | 24/609.6 | 21.82/554.2 |
| Depth (in./mm) | | 7.09/180.1 | 7.09/180.1 | 7.09/180.1 | 7.09/180.1 | 7.09/180.1 | 10.06/255.5 | 10.06/255.5 |
| Weight (lbs./kilos) | | 20/9.07 | 22.5/10.21 | 39/17.69 | 20/9.07 | 39/17.69 | 133/60.33 | 140/63.5 |

