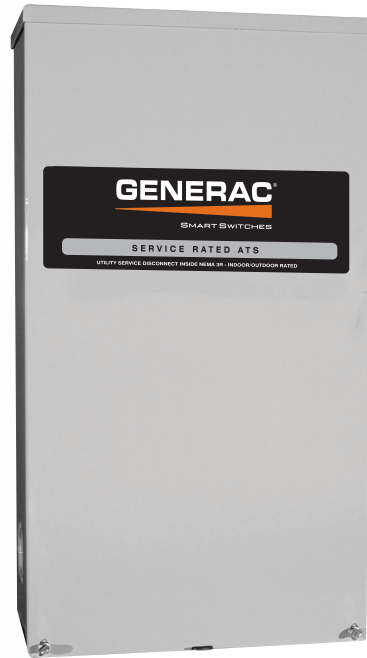




GENERAC NEXUS SMART TRANSFER SWITCHES

With Digital Load Management Technology

100 - 400 Amps, Single Phase



DESCRIPTION

Generac Nexus Smart Switches are designed to operate with the Nexus™ controller used on air-cooled generators and the control used on liquid-cooled QT series gaseous generators from 22 kW through 60 kW. The Smart Switch will operate only with the Nexus or Generac R200 controller. The 100, 200 and 400 amp open transition switches are available in single phase in both service rated and non-service rated configurations.

STANDARD FEATURES

All 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.

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.



FUNCTIONS

All Timing and sensing functions originate in the generator controller

Utility voltage drop-out.....	<60%
Timer to generator start	15 seconds
Engine warm up delay	5 seconds
Standby voltage sensor	90%
Utility voltage pickup.....	>80%
Re-transfer time delay	15 seconds
Engine cool-down timer	60 seconds
Exerciser	15 minutes every 7 days

The transfer switch can be operated manually without power applied.

SPECIFICATIONS

Model	RTSX100A3	RTSD100A3	RTSX200A3	RTSD200A3	RTSX400A3	RTSD400A3
Amps	100	100	200	200	400	400
Voltage	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	Open Transition Service Rated	Open Transition	Open Transition Service Rated
Enclosure Type	NEMA 3R	NEMA 3R	NEMA 3R	NEMA 3R	NEMA 3R	NEMA 3R
Withstand Rating (Amps)	10,000	10,000	10,000	22,000	18,000	22,000
Lug Range	2/0 - #14		400 MCM - #4		600 MCM - #4 or 2-250 MCM	
Unit Weight – lbs.	20	22.5	20	39	133	140
kilos	9.07	9.97	9.07	17.69	60.32	63.50

EXTERNAL DIMENSIONS

	100 Amps 120/240, 1Ø Open Transition					100 Amps 120/240, 1Ø Open Transition Service Rated				
	Height		Width		Depth	Height		Width		Depth
	H1	H2	W1	W2		H1	H2	W1	W2	
Inches	17.24	20	12.5	14.6	7.09	17.24	20	12.5	14.6	7.09
mm	438.0	508.4	318.0	372.0	180.0	438.0	508.4	318.0	372.0	180.0

	200 Amps 120/240, 1Ø Open Transition					200 Amps 120/240, 1Ø Open Transition Service Rated				
	Height		Width		Depth	Height		Width		Depth
	H1	H2	W1	W2		H1	H2	W1	W2	
Inches	17.24	20	12.5	14.6	7.09	27.24	30.0	11.4	13.5	7.09
mm	438.0	508.4	318.0	372.0	180.0	692.0	762.4	289.0	343.0	180.0

	400 Amps 120/240, 1Ø Open Transition					400 Amps 120/240, 1Ø Open Transition Service Rated				
	Height		Width		Depth	Height		Width		Depth
	H1	H2	W1	W2		H1	H2	W1	W2	
Inches	42.91	48.0	16.69	21.82	10.06	42.91	48.0	16.69	21.82	10.06
mm	1090.0	1219.3	424.0	554.3	255.5	1090.0	1219.3	424.0	554.3	255.5

