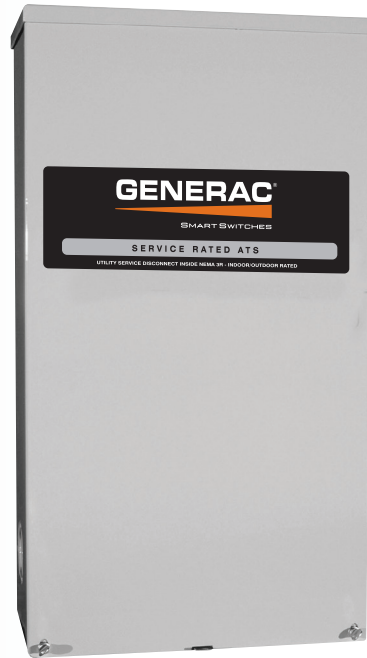




# GENERAC® NEXUS SMART SWITCH™

## With Digital Load Management Technology

100 - 400 Amps, Single Phase



### DESCRIPTION

Generac Nexus Smart Switches are designed for use with single phase generators 60kW and below. 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.



**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	
Unit Weight – lbs. kilos	20 9.07	22.5 9.97	39 17.69	20 9.07	39 17.69	133 60.32	140 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					150 & 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	31.25	36.0	19.18	24.0	10.06	42.91	48.0	16.69	21.82	10.06
mm	794.0	917.0	487.0	609.6	255.5	1090.0	1219.3	424.0	554.3	255.5

