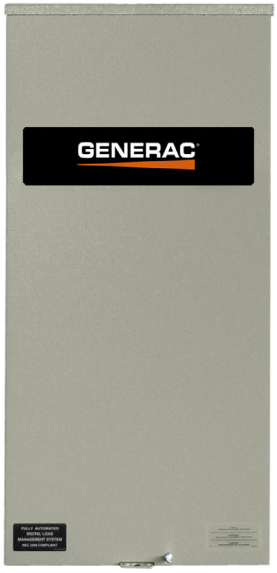
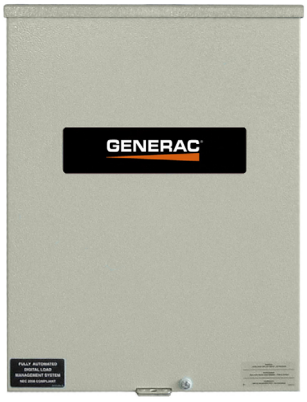
Smart Switches

Service and non-Service rated Smart Switches
Automatic Transfer Switches with Digital Power Management Technology

100 - 400 Amps, Single Phase





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*CUL only applies to non-service rated switches

DESCRIPTION

Generac Smart Switches are designed for use with single phase generators that utilize an Evolution™ Controller. The 100, 200, and 400 amp open transition switches are available in single phase in both service equipment rated and non-service equipment rated configurations. The 150 and 300 amp open transition switches are only available in a service rated equipment configuration.

STANDARD FEATURES

100-200 amp Generac 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 controller at the generator handles all the timing, sensing, exercising functions, and transfer commands. Smart switches are covered by a 5 year limited warranty.

* 300 & 400 amp switches are housed in a steel enclosure.

DPM TECHNOLOGY

Through the use of Digital Power Management technology (DPM), each of these switches has the capability to truly manage two air conditioning loads with no additional hardware. When used in tandem with the Power Management Module (PMM) starter kit, individual PMMs can be use to intelligently manage up to four more additional loads.

ISO 9001:2008

GENERAC®

100-400 Amps, Single Phase

Smart Switches

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 2-1500 seconds by a qualified dealer*
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.

*When used in conjunction with units utilizing Evolution™ controls

Specifications

Model	RTSR100A3	RTSY100A3	RTSY150A3	RTSR200A3	RTSY200A3	RTSY300A3	RTSR400A3	RTSY400A3
Amps	100	100	150	200	200	300	400	400
Voltage	120/240, 1ø	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 Service Rated	Open Transition	Open Transition Service Rated
Enclosure Type	NEMA/UL 3R	NEMA/UL 3R	NEMA/UL 3R	NEMA/UL 3R	NEMA/UL 3R	NEMA/UL 3R	NEMA/UL 3R	NEMA/UL 3R
UL Rating	UL/CUL	UL	UL	UL/CUL	UL	UL	UL/CUL	UL
Withstand Rating (Amps)	10,000	10,000	22,000	10,000	22,000	22,000	22,000	22,000
Lug Range	1/0 - #14		250 MCM - #6			600 MCM - #4 or 1/0 - 250 MCM		

Dimensions

Model		RTSR100A3	RTSY100A3	RTSY150A3	RTSR200A3	RTSY200A3	RTSY300A3	RTSR400A3	RTSY400A3
Height (in./mm)	H1	17.24/437.9	17.24/437.9	26.75/679.4	17.24/437.9	26.75/679.4	42.91/1089.9	31.25/793.8	42.91/1089.9
	H2	20/508	20/508	30/762	20/508	30/762	48/1219.2	36/914.4	48/1219.2
Width (in./mm)	W1	12.5/317.5	12.5/317.5	10.5/266.7	12.5/317.5	10.5/266.7	16.69/423.9	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	21.82/554.2	24/609.6	21.82/554.2
Depth (in./mm)		7.09/180.1	7.09/180.1	6.3/160.1	7.09/180.1	6.3/160.1	10.06/255.5	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	140/63.5	133/60.33	140/63.5