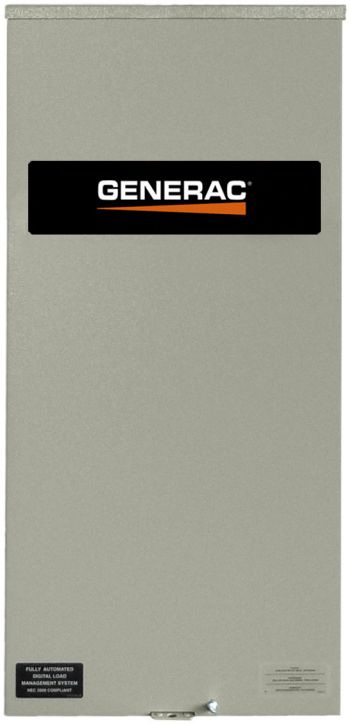
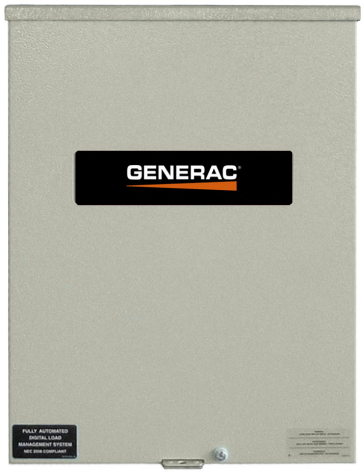
GENERAC®

Automatic Transfer Switches

Service and Non-Service Rated Automatic Transfer Switches





Models: RTSW300A3
RTSC400A3
RTSW400A3

*Assembled in the USA using domestic and foreign parts

Description

Generac Automatic Transfer Switches are designed for use with single phase generators that utilize an Evolution™ or Nexus™ Controller. The 400 amp open transition switch is available in single phase in both service equipment rated and non-service equipment rated configurations. The 300 amp open transition switch is only available in a service rated equipment configuration.

Standard Features

Service rated (RTSW) Generac Automatic Transfer Switches are housed in an aluminum NEMA Type 3R enclosure*, with electrostatically applied and baked powder paint. The Heavy Duty Generac Contactor is a ETL recognized device, designed for years of service. The controller at the generator handles all the timing, sensing, exercising functions, and transfer commands. All switches are covered by a 5 year limited warranty.

* Non-service rated (RTSC) switches 400 amp and above are housed in a steel enclosure.

Load Management Technology

Through the use of the integrated Smart A/C Module (SACM), these switches have the capability to manage up to four individual HVAC (24 VAC controlled) loads with no additional hardware. When used in tandem with Smart Management Modules, up to eight more loads can be managed as well, providing the most installation efficient power management options available.

GENERAC®

300 - 400 Amps, Single Phase

Automatic Transfer 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 - 1,500 Seconds by a Qualified Dealer*
Engine Warmup Delay	5 Seconds
Standby Voltage Sensor	60% for 5 Seconds
Utility Voltage Pickup	>80%
Re-transfer Time Delay	15 Seconds
Engine Cooldown Timer	60 Seconds
Exerciser	Nexus™: 12 Minutes Weekly Evolution™: 5 to 12 Minutes Adjustable, Weekly/Bi-weekly/Monthly
The Transfer Switch can be Operated Manually Without Power Applied	

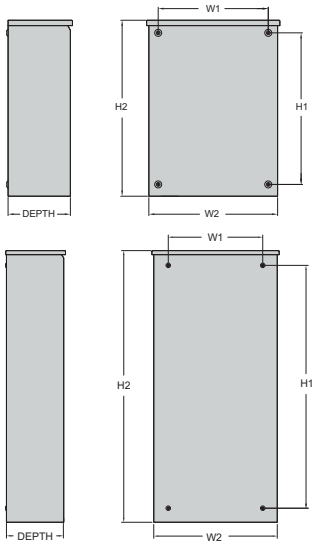
* When used in conjunction with units utilizing Evolution™ controls

Specifications

Model	**RTSW300A3**	**RTSC400A3**	**RTSW400A3**
Amps	300	400	400
Voltage	120/240, 1ø	120/240, 1ø	120/240, 1ø
Load Transition Type (Automatic)	Open Transition Service Rated	Open Transition	Open Transition Service Rated
Enclosure Type	NEMA 3R	NEMA 3R	NEMA 3R
ETL Rating	ETL	cETLus	ETL
Withstand Rating (Amps)	22,000	22,000	22,000
Lug Range	600 MCM - #4 or (2) 1/0 - 250 MCM		

Dimensions

Model		**RTSW300A3**	**RTSC400A3**	**RTSW400A3**
Height - in (mm)	**H1**	42.9 (1,089.9)	31.3 (793.8)	42.9 (1,089.9)
	H2	48.0 (1,219.2)	36.0 (914.4)	48.0 (1,219.2)
Width - in (mm)	**W1**	16.7 (423.9)	19.2 (487.2)	16.7 (423.9)
	W2	21.8 (554.2)	24.0 (609.6)	21.8 (554.2)
Depth - in (mm)		10.0 (255.5)	10.0 (255.5)	10.0 (255.5)
Weight - lbs (kg)		140.0 (63.5)	133.0 (60.3)	140.0 (63.5)



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