

Transfer Switches

Service Rated Automatic Transfer Switches with Surge Protection Device



Models:

RXSW100A3SPD

RXSW200A3SPD



DESCRIPTION

This series of Generac Automatic Transfer Switches is designed for use with single phase generators that utilize an Evolution™ or Nexus™ Controller. The 100 and 200 Amp open transition switches are available as single phase, service equipment rated configurations. This series include Generac's whole-house surge protection device (SPD), which is built into the transfer switch.

Generac's whole-house surge protection device (SPD) helps protect against these damaging surges and transients by blocking them from entering homes or businesses. It has thermally protected metal oxide varistors (MOVs) that help reduce risk of thermal damage. Its compact, weather-resistant design offers installation flexibility.

STANDARD FEATURES

Service rated (RXSW) 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 an ETL recognized device, designed for years of service. The controller at the generator handles all the timing, sensing, exercising functions, and transfer commands. The transfer switch includes a Surge Protection Device (SPD), which is built in and pre-wired. All switches are covered by a five year limited warranty.

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 external Smart Management Modules, a total of eight more loads can be managed, providing the most installation efficient power management options available.

FUNCTIONS

All timing and sensing functions originate in the generator controller.

Utility Voltage Drop-out	< 65%
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	65% 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

TRANSFER SWITCH SPECIFICATIONS

Model	RXSW100A3SPD	RXSW200A3SPD
Amps	100	200
Voltage	120/240, 1Ø	120/240, 1Ø
Load Transition Type (Automatic)	Open Transition Service Rated	Open Transition Service Rated
Enclosure Type	NEMA 3R	NEMA 3R
ETL Rating	ETLus	ETLus
Withstand Rating (Amps)	10,000	22,000
Lug Range	2/0 - #14	250 MCM - #6

SURGE PROTECTION DEVICE SPECIFICATIONS

Description	Rating
Surge Current Capacity Per Phase	50 kA
Nominal Discharge Current (In)	20 kA
Short Circuit Current Rating (SCCR)	200 kA
SPD Type	Rated Type 1 or Type 2
System Voltages Available	120/240 VAC Single Split-phase
Protection Modes	L-N, L-L
Maximum Continuous Operating Voltage (MCOV)	150 L-N, 300 L-L
Voltage Protection Rating (VPR)	600V L-N, 1000V L-L
Input Power Frequency	50/60 Hz
Enclosure Rating	NEMA 4X
Operating Temperature	-4 °F through 122 °F (-20 °C through 50 °C)
Operating Humidity	5% through 95%, non-condensing
Operating Altitude	Up to 6,500 ft (2,000 m)
Agency Certification and Approvals	UL1449 4th Edition Listed Device
Warranty	5 Years

DIMENSIONS

Model		RXSW100A3SPD	RXSW200A3SPD
Height - in (mm)	H1	17.2 (437.9)	26.8 (679.4)
	H2	20.0 (508.0)	30.0 (672.0)
Width - in (mm)	W1	12.5 (317.5)	10.5 (266.7)
	W2	14.6 (370.8)	13.5 (342.9)
Depth - in (mm)		7.1 (180.1)	6.3 (160.1)
Weight - lbs (kg)		22.5 (10.2)	39.0 (17.7)

