

EZ Switch™

EZ Switch™ Series Pre-Wired Automatic Transfer Switch with Built-In Load Center

100 Amp, 250 VAC, NEMA 1

Model RTS10EZA1 – 10 Circuit Switch

Model RTS12EZA1 – 12 Circuit Switch

Model RTS14EZA1 – 14 Circuit Switch

Model RTS16EZA1 – 16 Circuit Switch



DESCRIPTION

The Generac EZ Switch™ is designed to operate with 8-17kW air-cooled generators. This 100 amp Transfer switch has an integrated load center for picking up the emergency circuits. It is especially useful where the main service is large and only a portion of the building load will be served by the generator. It is available with a built in 10, 12, 14 or 16-circuit load center to supply only those circuits that are essential during an emergency. All standard and load center transfer switches are UL and CUL Listed and suitable for use as optional standby systems (NEC702).

STANDARD FEATURES

All EZ Switches are housed in a steel NEMA 1 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.

CONTACTOR RATING

The transfer switch contactor is rated at 250 VAC and is available in a single phase configuration only.

100 Amps

EZ Switch™

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	RTS10EZA1	RTS12EZA1	RTS14EZA1	RTS16EZA1
Voltage	240, 1Ø	240, 1Ø	240, 1Ø	240, 1Ø
Circuits, 50A, 240V	–	–	–	1
40A, 240V	–	1	1	1
30A, 240V	1	1	–	–
20A, 240V	1	–	1	1
20A, 120V	3	3	6	5
15A, 120V	3	5	4	5
Phase	1			
Rated AC Frequency	60 Hz			
Enclosure Material	Steel			
Enclosure Type	NEMA 1			
Withstand Rating (Amps)	10,000			
Lug Range	2/0 - #14			
Load Transition Type	Open Transition			
Wire Gauge (Hot, Neutral, Ground, Control)	10, 10, 10, 18	8, 8, 10, 18	6, 6, 8, 18	6, 6, 8, 18

Features

- Electrically operated, mechanically-held contacts for fast, positive connections.
- Rated for all classes of load, 100% equipment rated, both inductive and resistive.
- 2 pole, 250 VAC contactors.
- 160 millisecond transfer time.
- Dual coil design.
- Main contacts are silver plated or silver alloy to resist welding and sticking.
- NEMA 1 (indoor rated) enclosure is standard on the 100 amp switch.
- 2 Year Limited Warranty.

Dimensions and Wire Ranges

Mechanical Dimensions (in inches/mm)					
Model		RTS10EZA1	RTS12EZA1	RTS14EZA1	RTS16EZA1
Height (in./mm)	H1	26.5/673.1			
	H2	29.25/743			
Width (in./mm)	W1	8.14/206.8			
	W2	12.5/317.5			
Depth (in./mm)		7/177.8			
Weight (lbs./kilos)		57/25.85	60.8/27.58	64/29.03	68/30.84

Terminal Wire Ranges			
ATS Rated Amps	Switch Terminal	Neutral Lug/Stud	Ground Lug
100A 2-Pole UL	1 x 1/0-12	1 x 3/8-16 Stud	1 x 2/0-14

