

## Transfer Switches

# Service Rated Automatic Transfer Switches with Integrated Surge Protection Device



### Models:

Service Entrance Rated with Utility Service Circuit Breaker & Surge Protection Device

G0099280

G0099310

G0099330

\*A0005902810 - Assembly number for G0099280 when bundled with generator



\*Built in the USA using domestic and foreign parts

## DESCRIPTION

This new series of Generac Automatic Transfer Switches is designed for use with single phase generators that utilize an Evolution™ or Power Zone™ 200 Controller. The 100, 150, 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 integrated 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. This new series of switch includes a fast mount hanging system to simplify and expedite installations.

## STANDARD FEATURES

Service entrance rated 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. All switches are covered by a five year limited warranty.

### FUNCTIONS

All timing and sensing functions originate in the generator controller when used in conjunction with units utilizing Evolution™, Power Zone™ 200, or Power Zone™ 410 controls. Refer to generator's owner's manual for further details on the listed settings and adjustments.

Utility Voltage Drop-out	Power Zone 200 or Power Zone 410: Adjustable, 75% - 80% Evolution: Adjustable by a Qualified Dealer, 58% - 71%
Timer to Generator Start	10 Second Factory Set, Adjustable Between 2 - 1,500 Seconds by a Qualified Dealer
Engine Warmup Delay	5 Seconds
Utility Voltage Pickup	Power Zone 200 or Power Zone 410: Adjustable, 84% - 89% Evolution: Adjustable by a Qualified Dealer, 79% - 90%
Re-transfer Time Delay	15 Seconds
Engine Cooldown Timer	60 Seconds
Exerciser	Power Zone 200: 5 to 30 Minutes Adjustable, Weekly/Bi-weekly/Monthly Power Zone 410: 5 to 60 Minutes Adjustable, Weekly/Bi-Weekly/Monthly Evolution: 5 to 12 Minutes Adjustable, Weekly/Bi-weekly/Monthly
The Transfer Switch can be Operated Manually Without Power Applied	

### TRANSFER SWITCH SPECIFICATIONS

Model	G0099330	G0099310	G0099280
Amps	100*	150	200
Voltage	120/240, 1Ø	120/240, 1Ø	120/240, 1Ø
Load Transition Type (Automatic)	Open Transition Service Rated	Open Transition Service Rated	Open Transition Service Rated
Enclosure Type	NEMA 3R	NEMA 3R	NEMA 3R
ETL Rating	ETLus	ETLus	ETLus
Withstand Rating (Amps)	10,000	22,000	22,000
Lug Range	2/0 - #14	250 MCM - #6	250 MCM - #6

\* Paralleling of ATS is not permitting on the 100A rated transfer switch.

**INTEGRATED 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

**DIMENSIONS**

Model		G0099330	G0099310	G0099280
Height - in (mm)	H1	26.8 (679.4)	26.8 (679.4)	26.8 (679.4)
	H2	30.0 (672.0)	30.0 (672.0)	30.0 (672.0)
Width - in (mm)	W1	10.5 (266.7)	10.5 (266.7)	10.5 (266.7)
	W2	13.5 (342.9)	13.5 (342.9)	13.5 (342.9)
Depth - in (mm)		6.3 (160.1)	6.3 (160.1)	6.3 (160.1)
Depth with Fast Mount - in (mm)		6.6 (167)	6.6 (167)	6.6 (167)
Weight - lbs (kg)		27.0 (12.2)	30.0 (13.6)	30.0 (13.6)

