

Transfer Switches

Service Rated Automatic Transfer Switch with Integrated Load Center

1 of 4



G0099390
20 Space 40 Circuit



G0099430
42 Space 60 Circuit

Image used for illustration purposes only.

Integrated Load Center 20 Space 40 Circuit
Model: G0099390

Integrated Load Center 42 Space 60 Circuit
Model: G0099430



DESCRIPTION

This new series of Generac Automatic Transfer Switches with Integrated Load Centers are designed for use with single phase generators that utilize an Evolution™, Power Zone™ 200, or Power Zone™ 410 Controller. These 200 amp open transition switches are single phase service entrance rated configurations. These Generator Ready transfer switches integrate a main breaker, transfer switch, and load center, allowing for seamless integration of standby generators. The 20 space 40 circuit integrated load center includes pass through lugs allowing branch circuit protection for outbuildings, while also feeding a home's main distribution panel. The 42 space 60 circuit transfer switch is an all-in-one hybrid panel, integrating a main breaker, transfer switch, and the full home load center. This series includes Generac's whole-house surge protection device (SPD), which is built into the transfer switch. Generac's integrated, whole-house SPD helps protect against damaging surges and transients by blocking them from entering homes or businesses. It has thermally protected metal oxide varistors (MOVs), which help reduce risk of thermal damage.

STANDARD FEATURES

Service Rated Generac Automatic Transfer Switches are housed in an aluminum NEMA/UL Type 3R or steel NEMA 1 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. These integrated load center transfer switches accept 1 in (25.4 mm) standard, GFCI, AFCI, or tandem circuit breakers from Siemens, Murray, Eaton, and Square D for the most flexible and cost effective install. The load centers can support additional circuits with the utilization of tandem breakers. All switches are covered by a 5 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.

SPECIFICATIONS

Model	G0099390	G0099430
Amps	200	200
Voltage	120/240, 1Ø	120/240, 1Ø
Load Transition Type (Automatic)	Open Transition Service Rated	Open Transition Service Rated
Enclosure Type	NEMA/UL Type 3R	NEMA 1
Enclosure Material	Aluminum	Steel
Compliance	ETLus	ETLus
Withstand Rating (Amps)	10,000 22,000*	10,000 22,000*
Integrated Load Center	20 spaces, up to 40 circuits**	42 spaces, up to 60 circuits**

* When used with Siemens or Murray 1" branch circuit breakers.
** With the use of tandem breakers.

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
Warranty	5 Years

DIMENSIONS, WEIGHT, AND WIRE RANGES

Model		G0099390	G0099430
Height (in/cm)	H1	35.0 / 88.9	55 / 139.7
	H2	38.5 / 97.8	59.09 / 150.1
Width (in/cm)	W1	14.0 / 35.5	11 / 27.9
	W2	17.6 / 44.7	15.5 / 39.4
Depth (in/cm)		8.0 / 20.3	4.81 / 12.2
Weight (lbs/kgs)		45 / 20.4	64 / 29
Wire Range		#1 - 300 MCM Al/CU 75 °C	#1 - 300 MCM Al/CU 75 °C

