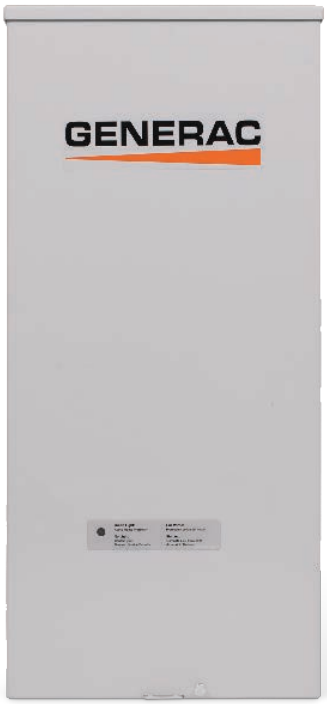
GENERAC®

Service Rated Automatic Transfer Switches

300A Service Entrance with SPD
Model: G0099780

400A Service Entrance with SPD
Model: G0099790



G0099780



G0099790

Image used for illustration purposes only.

DESCRIPTION

This new series of Generac Automatic Transfer Switches with Integrated Load Centers is designed for use with single phase generators that utilize an Evolution™, Power Zone™ 200, or Power Zone™ 410 Controller. These 300 and 400 Amp open transition switches are single phase service entrance rated configurations. 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 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.

FUNCTIONS

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

Utility Voltage Drop-out	Power Zone 200: 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
Standby Voltage Sensor	60% for 5 Seconds
Utility Voltage Pickup	Power Zone 200: 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 Evolution: 5 to 12 Minutes Adjustable, Weekly/Bi-Weekly/ Monthly

The transfer switch can be operated manually without power applied.

SPECIFICATIONS

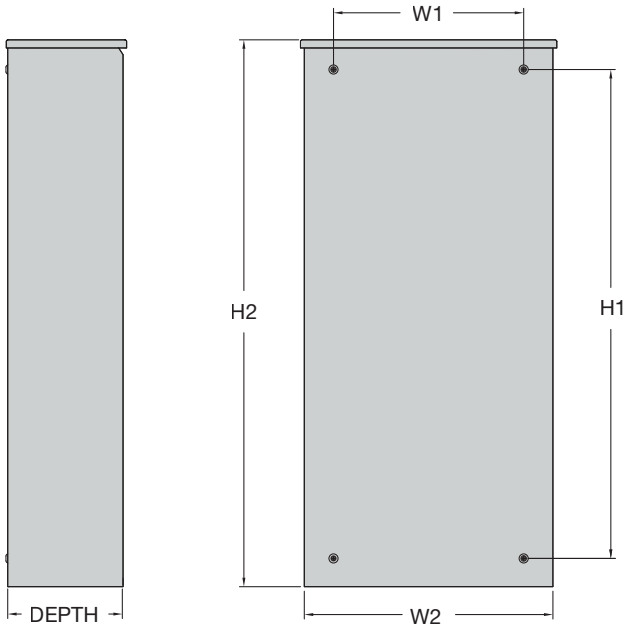
Model	**G0099780**	**G0099790**
Amps	300	400
Voltage	120/240, 1ø	120/240, 1ø
Load Transition Type (Automatic)	Open Transition Service Rated	Open Transition Service Rated
Enclosure Type	NEMA/UL Type 3R	NEMA/UL Type 3R
Certification	ETL Listed	ETL Listed
Withstand Rating (Amps)	22,000	22,000
Lug Range	(1) #4 - 600 kcmil or (2) 1/0 - 250 kcmil	(1) #4 - 600 kcmil or (2) 1/0 - 250 kcmil

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		G0099780	G0099790
Height - in (mm)	H1	42.9 (1,090)	42.9 (1,090)
	H2	48.0 (1,219.2)	48.0 (1,219.2)
Width - in (mm)	W1	16.7 (424)	16.7 (424)
	W2	21.8 (554.3)	21.8 (554.3)
Depth - in (mm)		10.2 (260)	10.2 (260)
Weight - lbs (kg)		140.0 (63.5)	140.0 (63.5)



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