

# Automatic Transfer Switches

## 600 - 1000 Amps, 600 VAC (Type WN Load Shed Capable)



- Standard time delay neutral will reduce switchover problems.
- Logic control with inphase monitor regulates switch functions and allows adjustable switch settings with LED indicators.
- Control switches located on the front of the door for ease of operation.
- All switches are UL 1008 listed and CSA certified.
- Electrically-operated, mechanically-held contacts for fast, positive connections.
- Rated for all classes of load, 100% equipment rated, both inductive and resistive with no derations.
- 3 and 4 Pole 600 VAC contactors.
- 160 millisecond transfer time.

### Standard Features

- Electrically operated and mechanically held
- Weekly exerciser
- SPDT auxiliary contacts
- Main contacts are silver alloy to resist welding and sticking
- Conformal coating protects all printed circuit boards
- Indicating LED's for switch position—Normal, Emergency, and Standby Operating
- NEMA 12 enclosure with hinged door and key-locking handle
- Three-position switch—Fast Test, Auto, Normal Test
- Arc chutes on main contacts

### Optional Accessories

- NEMA 3R, 4 & 4X enclosure
- Exterior AC meter package
- 4-pole design for neutral isolation
- Remote automatic start-stop control circuit
- Signal before transfer contacts
- Return to normal timer bypass
- "Trip to Neutral" with mechanical latch for load shedding or sequencing applications
- "Permissive" switch for MPS applications to prevent transfer until adequate power capacity is obtained
- Two (2) sets of auxiliary contacts
- Preferred source selector switch

**GENERAC<sup>®</sup>**  
**POWER SYSTEMS, INC.**

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# GTS Control Systems



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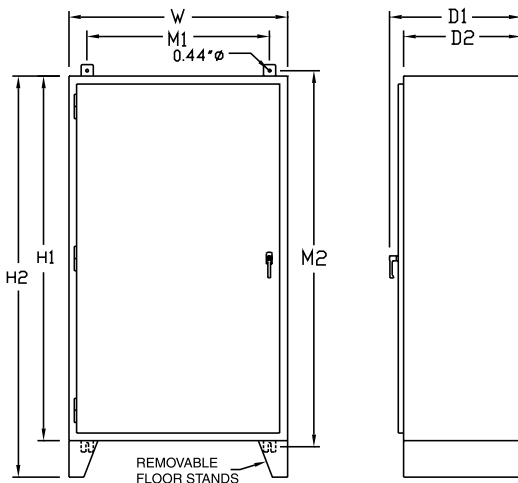
## GeneratorJoe

LOGIC CONTROL w / Inphase Monitor	
<b>Utility Voltage</b>	
Dropout .....	75-95% (Adj.)
Pickup .....	85-95% (Adj.)
Line Interrupt .....	0.1-10 Sec. (Adj.)
Engine Minimum Run .....	5-30 Min. (Adj.)
Engine Warmup .....	5 Sec.-3 Min. (Adj.)
Return to Utility .....	1-30 Min. (Adj.)
Engine Cooldown .....	1-30 Min. (Adj.)
Standby Voltage .....	85-95% (Adj.)
Standby Frequency .....	80-90% (Adj.)
Time Delay Neutral .....	0.1-10 Sec. (Adj.)
Transfer on Exercise .....	On/Off Switch
Warmup Timer Bypass .....	On/Off Switch
Time Delay Neutral Bypass .....	On/Off Switch
Inphase Monitor .....	On/Off Switch

## Withstand Current - 600 Volt GTS Series

GTS Rated Amps	600	800	1000
<b>FUSE PROTECTED</b>			
Maximum RMS Symmetrical Fault Current – Amps	200,000	200,000	200,000
Maximum Fuse Size – Amps	800	1200	1600
Fuse Class	L,T	L	L
<b>CIRCUIT BREAKER PROTECTED</b>			
Maximum RMS Symmetrical Fault Current – Amps	42,000	65,000	65,000
Protective Device Continuous Rating (Max) – Amps	750	1250	1250

- Tested in accordance with the withstand and closing requirements of UL 1008 and CSA Standards
- Current ratings are listed @ 480 VAC



## Unit Dimensions

GTS Rated Amps	Enclosure Height		Enclosure Width	Wall Mount Bolt Pattern		Enclosure Depth		Weight (lbs.)
	H1	H2	W	M1	M2	D1	D2	
600	60	66	36	30	62	23.5	20	650
800	60	66	36	30	62	23.5	20	700
1000	60	66	36	30	62	23.5	20	700

All dimensions in inches.

## Terminal Lug Wire Ranges

GTS Rated Amps	Contactor Terminals		Neutral Bar		Ground Lug (1 Provided)
	# Lugs per Pole	Lug Wire Range	# Lugs	Lug Wire Range	Lug Wire Range
600	2	500MCM – 1 AWG	8	750MCM – 1/0 AWG	350MCM – 6 AWG
800	4	500MCM – 4/0 AWG	12	750MCM – 1/0 AWG	350MCM – 6 AWG
1000	4	500MCM – 4/0 AWG	12	750MCM – 1/0 AWG	350MCM – 6 AWG