

# Automatic Transfer Switch

100 – 400 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 and Interlocked Main Contacts with Break Before Make Design 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

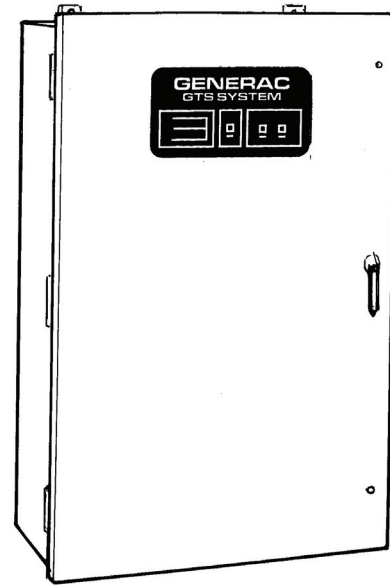


Image used for illustration purposes only

## FEATURES

### STANDARD FEATURES

- Electrically Operated and Mechanically Held
- Weekly Exerciser
- 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, 12, 4 & 4X Enclosure
- Exterior AC Meter Package
- Controls Accessible Through Door in Door Design on NEMA Type 3R and 4X Enclosures – Key Lock Provided on Access Door
- 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
- Single or Double Sets of Auxiliary Contacts
- Preferred Source Selector Switch

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## GTS CONTROL SYSTEMS

### LOGIC CONTROL WITH INPHASE MONITOR

Utility Voltage	
Drop Out	75 – 95% (Adj.)
Pickup	85 – 95% (Adj.)
Line Interrupt	0.1 – 10.0 Sec. (Adj.)
Engine Minimum Run	5 – 30 Min. (Adj.)
Engine Warmup	5 – 180 Sec. (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 – 10.0 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	100	150	200	300	400
<b>FUSE PROTECTED</b>					
Maximum RMS Symmetrical					
Fault Current Amps	200,000	200,000	200,000	200,000	200,000
Maximum Fuse					
Size – Amps	200	400	400	600	600
Fuse Class	J,T	J,T	J,T	J,T	J,T
<b>CIRCUIT BREAKER PROTECTED (see separate sheet for specific circuit breakers)</b>					
Maximum RMS Symmetrical					
Fault Current – Amps	14,000	25,000	25,000	35,000	35,000
Protective Device Continuous					
Rating (Max) – Amps	150	300	300	600	600

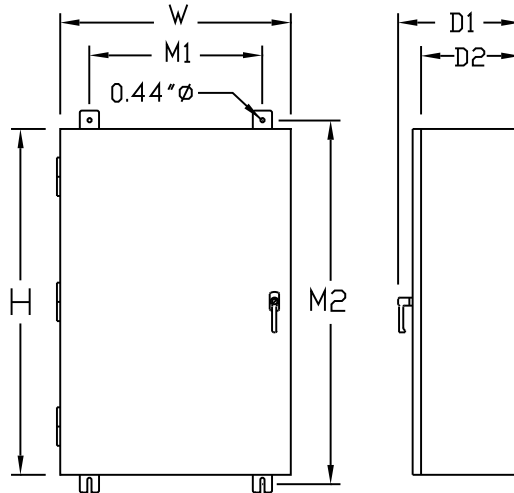
- Tested in accordance with the withstand and closing requirements of UL 1008 and CSA Standards
- Current ratings are listed @ 480 VAC

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## UNIT DIMENSIONS



GTS Rated Amps	Voltage	Enclosure Height - in (mm)	Enclosure Width - in (mm)	Wall Mount Bolt Pattern - in (mm)		Enclosure Depth - in (mm)		Weight - lbs (kg)
		H	W	M1	M2	D1	D2	
100	ALL	36 (914)	24 (610)	18 (457)	37.5 (953)	12.7 (323)	10 (254)	180 (82)
150 – 200	120 / 240	36 (914)	24 (610)	18 (457)	37.5 (953)	12.7 (323)	10 (254)	185 (84)
150 – 200	120 / 208	36 (914)	24 (610)	18 (457)	37.5 (953)	12.7 (323)	10 (254)	185 (84)
150 – 200	277 / 480	48 (1,219)**	30 (762)**	24 (610)	49.5 (1,257)	14.8 (376)	12 (305)	265 (120)
150 – 200	600	48 (1,219)**	30 (762)**	24 (610)	49.5 (1,257)	14.8 (376)	12 (305)	265 (120)
300 – 400	120 / 240	36 (914)	24 (610)	18 (457)	37.5 (953)	12.7 (323)	10 (254)	245 (111)
300 – 400	120 / 208	36 (914)	24 (610)	18 (457)	37.5 (953)	12.7 (323)	10 (254)	245 (111)
300 – 400	277 / 480	48 (1,219)**	30 (762)**	24 (610)	49.5 (1,257)	14.8 (376)	12 (305)	325 (147)
300 – 400	600	48 (1,219)**	30 (762)**	24 (610)	49.5 (1,257)	14.8 (376)	12 (305)	325 (147)

Note: All measurements are approximate and for estimation purposes only. Specification characteristics may change without notice. Please contact a Generac Power Systems Industrial Dealer for detailed installation drawings.

\*\* On NEMA 1 enclosures only, door overlaps enclosure - door dimensions are 48.8 H X 30.8 W.

## TERMINAL LUG WIRE RANGES

GTS Rated Amps	Connector Terminals (1 Lug Per Pole)	Neutral Bar		Ground Lug (1 Provided)
	Lug Wire Range	# Lugs	Lug Wire Range	Lug Wire Range
100	2/0 – 14 AWG	4	2/0 – 14 AWG	2/0 – 14 AWG
150	400 MCM – 4 AWG	4	350 MCM – 6 AWG	350 MCM – 6 AWG
200	400 MCM – 4 AWG	4	350 MCM – 6 AWG	350 MCM – 6 AWG
300	600 MCM – 4 AWG [250 MCM – 1/0 AWG]**	4	600 MCM – 4 AWG [250 MCM – 1/0 AWG]**	350 MCM – 6 AWG
400	600 MCM – 4 AWG [250 MCM – 1/0 AWG]**	4	600 MCM – 4 AWG [250 MCM – 1/0 AWG]**	350 MCM – 6 AWG

\*\* Allowable wire range in brackets [ ] is for 2 conductors per lug.