

**600-1000 Amps,
600 VAC HTS**

Automatic Transfer Switches



Description

- The Generac HTS Transfer Switch is a “State of the Art” Smart Switch designed to operate in conjunction with the Generac H100 Series generator controller.
- The HTS Transfer Switch has a 2 wire RS485 communication link to the generator controller.
- The utility voltage is monitored by the HTS along with signal before transfer timing, time delay neutral and inphase transfer.
- Switch operation is instigated by the generator controller.
- All timers and voltage setpoints are programmable through GenLink® Communications Software.
- Time delay neutral and inphase monitor are included.

Standard Features

- Electrically operated and mechanically held
- Programmable exercise time
- SPDT aux contacts
- Main contacts are silver alloy
- Conformal coating protects the printed circuit board
- UL1008 Listed
- Indicating LED's for switch position, standby operating, utility available

- 3 position test switch: Fast Test, Auto, Normal Test
- Arc shutes on main contacts
- Signal before transfer contacts
- Rated to all classes of loads
- Remote start, stop and transfer through GenLink® Communications Software
- Up to four transfer switches per generator
- 50/60 hertz operation

Optional Accessories

- NEMA 12 enclosure (100-400 Amps)
- NEMA 3R enclosure (All)
- NEMA 4 and 4x enclosure
- 4 pole for separately derived systems

Interconnections

HTS 600-1000 Amp

Switches and Indicators:

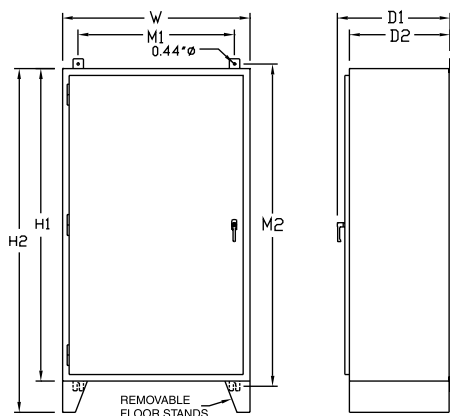
- System Ready LED
- Switch Position LED's
- Test Switch
- Return to Normal Switch
- Standby Operating LED
- Utility Available LED
- Fast Test Switch
- Safety Disconnect Switch

Standby Accept Voltage	85-95%
Standby Accept Frequency	85-95%
Nominal Voltage	1 Volt Increments
Allowable Deviation of Utility	1-100%
Line Interruption Delay	1-10 Seconds
Engine Warmup Time	1-300 Seconds
Minimum Run Time	5-60 Minutes
Return to Utility Timer	1-30 Minutes
Engine Cooldown Timer	1-30 Minutes
Signal Before Transfer Timer	1-30 Seconds
Transfer Type	Inphase Time Delay Neutral
Phase Difference for Inphase Transfer	-7 +0 Degrees

Withstand Current - 600 Volt HTS Series

HTS Rated Amps	600	800	1000
FUSE PROTECTED			
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
CIRCUIT BREAKER PROTECTED			
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

HTS 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

HTS 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