

**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 two wire RS485 communication link to the generator controller.
- 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
- UL 1008 Listed
- Indicating LEDs for switch position, standby operating, utility available

### Optional Accessories

- NEMA 1 enclosure
- NEMA 3R enclosure

- Operator Interface: Test, Fast Test, Return to Utility, Reset
- Arc chutes 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
- Four pole for separately derived systems

## Interconnections

## HTS 600–1000 Amp

### Switches and Indicators:

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

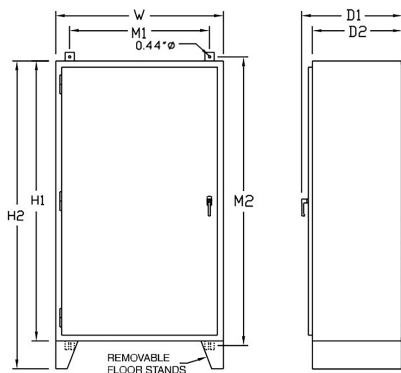
Standby Accept Voltage.....	85-95%
Standby Accept Frequency.....	85-95%
Nominal Voltage.....	1 Volt Increments
Allowable Deviation of Utility.....	1-100%
Line Interruption Delay.....	1-10 Seconds
Engine Warmup Time.....	1-300 Seconds
Minimum Run Time.....	5-60 Minutes
Return to Utility Timer.....	1-30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

## Withstand Current—600 Volt HTS Series

HTS 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>			
<i>(Specific breaker ratings only—see separate sheet for list of breakers)</i>			
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 W	WALL MOUNT BOLT PATTERN		ENCLOSURE DEPTH		WEIGHT (LBS.)
	H1	H2		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) LUG WIRE RANGE
	NO. OF LUGS PER POLE	LUG WIRE RANGE	NO. OF LUGS	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