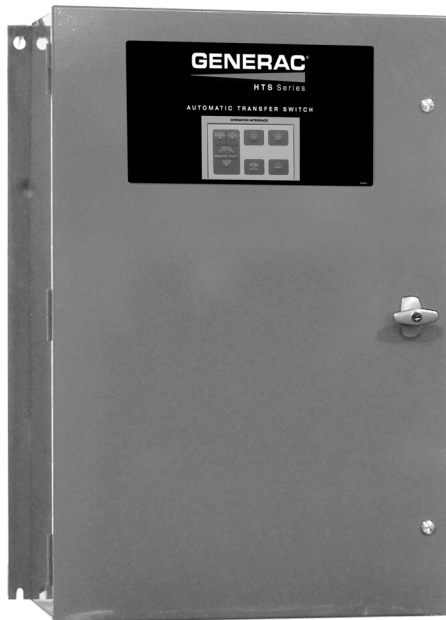


**100–400 Amps,
600 VAC HTS**

Automatic Transfer Switches



200 Amp HTS NEMA 1

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

- Single coil design, 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 LED's for switch position, standby operating, utility available
- 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

Optional Accessories

- NEMA 1 enclosure
- NEMA 3R enclosure
- 4 pole for separately derived systems

Interconnections

HTS 100–400 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

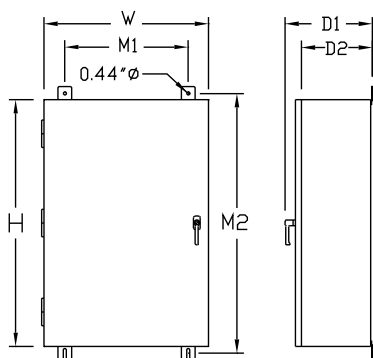
Standby Accept Voltage.....	85-95%
Standby Accept Frequency.....	85-95%
Nominal Voltage.....	1 Volt Increments
Allowable Deviation of Utility.....	1-100%
Line Interruption Delay.....	1-10 Seconds
Engine Warmup Time.....	1-300 Seconds
Minimum Run Time.....	5-60 Minutes
Return to Utility Timer.....	1-30 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	100	150	200	300	400
FUSE PROTECTED					
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
CIRCUIT BREAKER PROTECTED					
<i>(Specific breaker ratings only—see separate sheet for list of breakers)</i>					
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.

Unit Dimensions



HTS RATED AMPS	VOLTAGE	ENCLOSURE HEIGHT H	ENCLOSURE WIDTH W	WALL MOUNT BOLT PATTERN		ENCLOSURE DEPTH		WEIGHT (LBS.)
				M1	M2	D1	D2	
100	ALL	36	24	18	37.5	12.7	10	180
150-200	120/240	36	24	18	37.5	12.7	10	185
150-200	120/208	36	24	18	37.5	12.7	10	185
150-200	277/480	48*	30*	24	49.5	14.8	12	265
300-400	120/240	36	24	18	37.5	12.7	10	245
300-400	120/208	36	24	18	37.5	12.7	10	245
300-400	277/480	48*	30*	24	49.5	14.8	12	325

Terminal Lug Wire Ranges

HTS RATED AMPS	CONTACTOR TERMINALS (1 LUG PER POLE) LUG WIRE RANGE	NEUTRAL BAR*		GROUND LUG (1 PROVIDED) LUG WIRE RANGE
		# LUGS	LUG WIRE RANGE	
100	2/0 – 14 AWG	4	2/0 – 14 AWG	2/0 – 14 AWG
150	400MCM – 4 AWG	4	350MCM – 6 AWG	350MCM – 6 AWG
200	400MCM – 4 AWG	4	350MCM – 6 AWG	350MCM – 6 AWG
300	600MCM – 4 AWG OR 2 – [250MCM – 1/0 AWG]	4	600MCM – 4 AWG [250MCM – 1/0 AWG]**	350MCM – 6 AWG 350MCM – 6 AWG
400	600MCM – 4 AWG OR 2 – [250MCM – 1/0 AWG]	4	600MCM – 4 AWG [250MCM – 1/0 AWG]**	350MCM – 6 AWG

*Not included in HTS with switched neutral. ** Allowable wire range in brackets is for 2 wires per lug