

HTS Automatic Transfer Switch

100 - 800 Amps 600 VAC



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 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.

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
- 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

OPTIONAL ACCESSORIES

- NEMA 12 enclosure - Indoor rated (Standard on 600 & 800 Amp)
- NEMA 3R enclosure - Outdoor rated (Optional on 600 & 800 Amp)



INTERCONNECTIONS

HTS 100-800 Amp

Switches and Indicators:

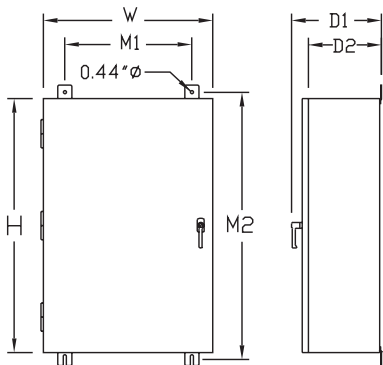
- System Ready LED
- Switch Position LED's
- Test Switch
- Return to Normal Switch
- Standby Operating LED
- Utility Available LED
- Fast Test Switch
- Safety Disconnect Switch

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

WITHSTAND CURRENT – 600 VOLT HTS SERIES

HTS RATED AMPS	100	150	200	300	400	600	800
FUSE PROTECTED							
Maximum RMS Symmetrical Fault Current – Amps	200,000	200,000	200,000	200,000	200,000	200,000	200,000
Maximum Fuse Size – Amps	200	400	400	600	600	800	1200
Fuse Class	J,T	J,T	J,T	J,T	J,T	L,T	L
CIRCUIT BREAKER PROTECTED							
Maximum RMS Symmetrical Fault Current – Amps	14,000	25,000	25,000	35,000	35,000	42,000	65,000
Protective Device Continuous Rating (Max.) – Amps	150	300	300	600	600	750	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	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
600-800*	ALL	66	36	30	62	23.5	20	650

* 600 & 800 Amp cabinets have removable feet. ** On NEMA 1 enclosures only, door overlaps enclosure - Door dimensions are 48.8" H X 30.8" W.

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 350MCM – 6 AWG
600	2 Lugs Per Pole – 500MCM – 1 AWG	8	750MCM – 1/0 AWG	350MCM – 6 AWG
800	4 Lugs Per Pole – 500MCM – 4/0 AWG	12	750MCM – 1/0 AWG	350MCM – 6 AWG

* Not included in HTS with switched neutral. ** Allowable wire range in brackets [] is for two conductors per lug.

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