

**1200–2600 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

- 4 pole for separately derived systems

## Interconnections

## HTS 1200–2600 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

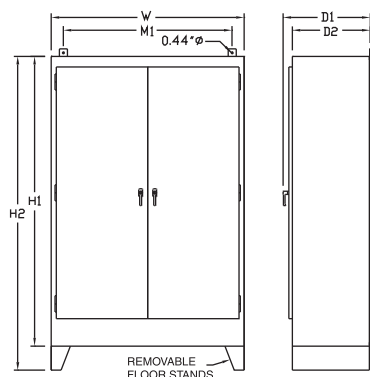
|  |                                   |
|--|-----------------------------------|
| Standby Accept Voltage.....                | 85-95%                            |
| Standby Accept Frequency.....              | 85-95%                            |
| Nominal Voltage.....                       | 1 Volt 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   | 1200    | 1600    | 2000    | 2600    |
|--|---------|---------|---------|---------|
| <b>FUSE PROTECTED</b>  |         |         |         |         |
| Maximum RMS Symmetrical Fault Current—Amps                                     | 200,000 | 200,000 | 200,000 | 200,000 |
| Maximum Fuse Size—Amps   | 2000    | 2000    | 2500    | 4000    |
| Fuse Class   | J, T    | J, T    | J, T    | J, T    |
| <b>CIRCUIT BREAKER PROTECTED</b>   |         |         |         |         |
| <i>(Specific breaker ratings only—see separate sheet for list of breakers)</i> |         |         |         |         |
| Maximum RMS Symmetrical Fault Current—Amps                                     | 65,000  | 65,000  | 85,000  | 85,000  |
| Protective Device Continuous Rating (Max.)—Amps                                | 2000    | 2000    | 2500    | 3500    |

- 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 M | ENCLOSURE DEPTH |    | WEIGHT (LBS.) |
|----------------|------------------|-----|-------------------|---------------------------|-----------------|----|---------------|
|                | H1               | H2  |                   |                           | D1              | D2 |               |
| 1200           | 72               | 78  | 48                | 42                        | 27.5            | 24 | 1100          |
| 800            | 72               | 78  | 48                | 42                        | 27.5            | 24 | 1100          |
| 1000           | 80               | N/A | 48                | 42                        | 51.3            | 48 | 1300          |
| 2600           | 80               | N/A | 48                | 42                        | 51.3            | 48 | 1700          |

All dimensions in inches.

## Terminal Lug Wire Ranges

| HTS RATED AMPS | CONTACTOR TERMINALS                  |                  | # LUGS | NEUTRAL BAR* LUG WIRE RANGE | GROUND LUG (1 PROVIDED) LUG WIRE RANGE |
|----------------|--------------------------------------|------------------|--------|-----------------------------|--|
|                | NO. OF LUGS PER POLE                 | LUG WIRE RANGE   |        |                             |  |
| 1200           | 4                                    | 750MCM – 1/0 AWG | 12     | 750 MCM – 1/0 AWG           | 350MCM – 6 AWG                         |
| 1600           | 4                                    | 400MCM – 4 AWG   | 12     | 750 MCM – 1/0 AWG           | 350MCM – 6 AWG                         |
| 2000           | BUS BARS WITH NEMA 4-HOLE PATTERN ** |                  | 24     | 750 MCM – 1/0 AWG           | 350MCM – 6 AWG                         |
| 2600           | BUS BARS WITH NEMA 4-HOLE PATTERN ** |                  | 24     | 750 MCM – 1/0 AWG           | 350MCM – 6 AWG                         |