

HTS Automatic Transfer Switch

1200 - 2600 Amps 600 VAC



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

GENERAC®
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INTERCONNECTIONS

HTS 1200-2600 Amp

Switches and Indicators:

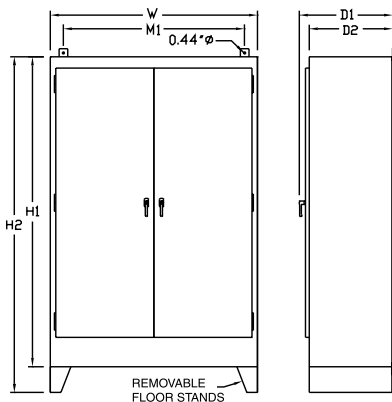
- System Ready LED
- Switch Position LED's
- Test Switch
- Return to Normal Switch
- Standby Operating LED
- Utility Available LED
- Fast Test Switch
- Safety Disconnect Switch

| | |
|---|----------------------------|
| 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 GTS Series

| GTS Rated Amps | 1200 | 1600 | 2000 | 2600 |
|---|---------|---------|---------|---------|
| FUSE PROTECTED | | | | |
| 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 |
| CIRCUIT BREAKER PROTECTED | | | | |
| 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

| GTS Rated Amps | Enclosure Height | | Enclosure Width | Wall Mount Bolt Pattern | Enclosure Depth | | Weight (lbs.) |
|----------------|------------------|-----|-----------------|-------------------------|-----------------|----|---------------|
| | H1 | H2 | W | M | D1 | D2 | |
| 1200 | 72 | 78 | 48 | 42 | 27.5 | 24 | 1100 |
| 1600 | 72 | 78 | 48 | 42 | 27.5 | 24 | 1100 |
| 2000 | 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

| GTS Rated Amps | Contactor Terminals | | Neutral Bar | | Ground Lug (1 Provided) |
|----------------|--------------------------------------|------------------|-------------|------------------|-------------------------|
| | # Lugs per Pole | Lug Wire Range | # Lugs | Lug Wire Range | Lug Wire Range |
| 1200 | 4 | 750MCM – 1/0 AWG | 12 | 750MCM – 1/0 AWG | 350MCM – 6 AWG |
| 1600 | 4 | 750MCM – 1/0 AWG | 12 | 750MCM – 1/0 AWG | 350MCM – 6 AWG |
| 2000 | Bus Bars with NEMA 4-Hole Pattern ** | | 24 | 750MCM – 1/0 AWG | 350MCM – 6 AWG |
| 2600 | Bus Bars with NEMA 4-Hole Pattern ** | | 24 | 750MCM – 1/0 AWG | 350MCM – 6 AWG |

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