

Automatic Transfer Switch

600 – 1000 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 Two Wire RS-485 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



Image used for illustration purposes only

FEATURES

STANDARD FEATURES

- Electrically Operated and Mechanically Held
- Programmable Exercise Time
- Main Contacts are Silver Alloy to Resist Welding and Sticking
- Conformal Coating Protects All Printed Circuit Boards
- Indicating LEDs for Switch Position, Standby Operating, Utility Available
- UL 1008 Listed
- SPDT Auxiliary Contacts
- 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 Rainproof Enclosure
- Four Pole for Separately Derived Systems

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INTERCONEXIONES

SWITCHES and INDICATORS:

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

| | |
|---------------------------------------|--|
| Nominal Voltage | 1 Volt Increments |
| Allowable Deviation of Utility | 1–100% |
| Line Interruption Delay | 1 – 10 Sec. |
| Engine Minimum Run Time | 5 – 60 Min. |
| Engine Warmup Time | 1– 300 Sec. |
| Return to Utility Timer | 1 – 30 Min. |
| Engine Cooldown Timer | 1 – 30 Min. |
| Standby Accept Voltage | 85 – 95% |
| Standby Accept Frequency | 85 – 90% |
| Transfer Type | Inphase and / or Time Delay Neutral |
| Phase Difference for Inphase Transfer | -7 + 0 Degrees |
| Signal Before Transfer Timer | 1 – 30 Seconds |

WITHSTAND CURRENT - 600 VOLT HTS SERIES

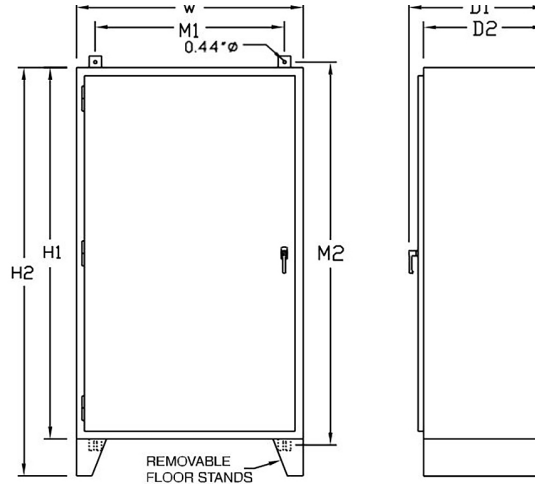
| HTS Rated Amps | 600 | 800 | 1,000 |
|--|---------|---------|---------|
| FUSE PROTECTED | | | |
| Maximum RMS Symmetrical | | | |
| Fault Current – Amps | 200,000 | 200,000 | 200,000 |
| Maximum Fuse Size – Amps | 800 | 1,200 | 1,600 |
| Fuse Class | L,T | L | L |
| CIRCUIT BREAKER PROTECTED (see separate sheet for specific circuit breakers) | | | |
| Maximum RMS Symmetrical | | | |
| Fault Current – Amps | 42,000 | 65,000 | 65,000 |
| Protective Device Continuous | | | |
| Rating (Max) – Amps | 750 | 1,250 | 1,250 |

- Tested in accordance with the withstand and closing requirements of UL 1008 and CSA Standards
- Current ratings are listed @ 480 VAC

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MECHANICAL DIMENSIONS (NEMA 1 Standard)*



| HTS Rated Amps | Enclosure Height - in (mm) | | Enclosure Width - in (mm) | Wall Mount Bolt Pattern - in (mm) | | Enclosure Depth - in (mm) | | Weight - lbs (kg) |
|----------------|----------------------------|------------|---------------------------|-----------------------------------|------------|---------------------------|----------|-------------------|
| | H1 | H2 | W | M1 | M2 | D1 | D2 | |
| 600 | 60 (1,524) | 66 (1,676) | 36 (914) | 30 (762) | 62 (1,575) | 23.5 (597) | 20 (508) | 650 (295) |
| 800 | 60 (1,524) | 66 (1,676) | 36 (914) | 30 (762) | 62 (1,575) | 23.5 (597) | 20 (508) | 700 (318) |
| 1,000 | 60 (1,524) | 66 (1,676) | 36 (914) | 30 (762) | 62 (1,575) | 23.5 (597) | 20 (508) | 700 (318) |

* All measurements are approximate and for estimation purposes only. Specification characteristics may change without notice. Please contact a Generac Power Systems Industrial Dealer for detailed installation drawings.

TERMINAL LUG WIRE RANGES

| HTS Rated Amps | Contactor Terminal | | Neutral Bar | | Ground Lug (1 Provided) |
|----------------|-------------------------|-------------------|----------------|---------------------|-------------------------|
| | Number of Lugs Per Pole | Lug Wire Range | Number of Lugs | Lug Wire Range | Lug Wire Range |
| 600 | 2 | 500 MCM – 1 AWG | 8 | 750 MCM-6 – 1/0 AWG | 350 MCM – 6 AWG |
| 800 | 4 | 500 MCM – 4/0 AWG | 12 | 750 MCM-6 – 1/0 AWG | 350 MCM – 6 AWG |
| 1,000 | 4 | 500 MCM – 4/0 AWG | 12 | 750 MCM-6 – 1/0 AWG | 350 MCM – 6 AWG |