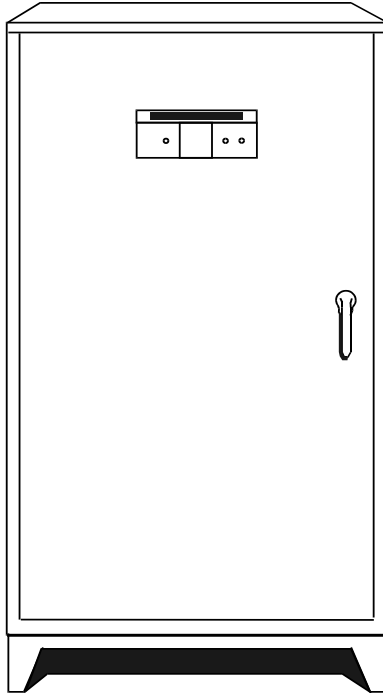


**600 - 1000 Amps,
600 VAC**

Automatic Transfer Switches

Type WN Load Shed Capable

- Standard time delay neutral will reduce switchover problems.
- Logic control with inphase monitor regulates switch functions and allows adjustable switch settings with LED indicators.
- Control switches located on the front of the door for ease of operation.
- All switches are UL 1008 listed and CSA certified.
- Electrically-operated, mechanically-held and interlocked main contacts with break before make design for fast, positive connections.
- Rated for all classes of load, 100% equipment rated, both inductive and resistive with no derations.
- 3 and 4 Pole 600 VAC contactors.
- 160 millisecond transfer time.

Standard Features

- Electrically operated and mechanically held
- Weekly exerciser
- SPDT auxiliary contacts
- Main contacts are silver alloy to resist welding and sticking
- Conformal coating protects all printed circuit boards
- Indicating LED's for switch position—Normal, Emergency, and Standby Operating
- NEMA 12 enclosure with hinged door and key-locking handle
- Three-position switch—Fast Test, Auto, Normal Test
- Arc chutes on main contacts

Optional Accessories

- NEMA 3R, 4 & 4X enclosure
- Exterior AC meter package
- 4-pole design for neutral isolation
- Remote automatic start-stop control circuit
- Signal before transfer contacts
- Return to normal timer bypass
- "Trip to Neutral" with mechanical latch for load shedding or sequencing applications
- "Permissive" switch for MPS applications to prevent transfer until adequate power capacity is obtained
- Two (2) sets of auxiliary contacts
- Preferred source selector switch

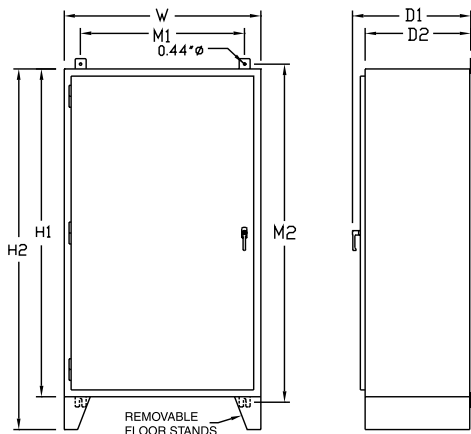
GTS Control Systems

| LOGIC CONTROL w / Inphase Monitor | |
|-----------------------------------|----------------------|
| Utility Voltage | |
| Dropout | 75-95% (Adj.) |
| Pickup | 85-95% (Adj.) |
| Line Interrupt | 0.1-10 Sec. (Adj.) |
| Engine Minimum Run | 5-30 Min. (Adj.) |
| Engine Warmup | 5 Sec.-3 Min. (Adj.) |
| Return to Utility | 1-30 Min. (Adj.) |
| Engine Cooldown | 1-30 Min. (Adj.) |
| Standby Voltage | 85-95% (Adj.) |
| Standby Frequency | 80-90% (Adj.) |
| Time Delay Neutral | 0.1-10 Sec. (Adj.) |
| Transfer on Exercise | On/Off Switch |
| Warmup Timer Bypass | On/Off Switch |
| Time Delay Neutral Bypass | On/Off Switch |
| Inphase Monitor | On/Off Switch |

Withstand Current - 600 Volt GTS Series

| GTS Rated Amps | 600 | 800 | 1000 |
|---|---------|---------|---------|
| FUSE PROTECTED | | | |
| Maximum RMS Symmetrical Fault Current – Amps | 200,000 | 200,000 | 200,000 |
| Maximum Fuse Size – Amps | 800 | 1200 | 1600 |
| 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 | 1250 | 1250 |

- 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 | M1 | M2 | D1 | D2 | |
| 600 | 60 | 66 | 36 | 30 | 62 | 23.5 | 20 | 650 |
| 800 | 60 | 66 | 36 | 30 | 62 | 23.5 | 20 | 700 |
| 1000 | 60 | 66 | 36 | 30 | 62 | 23.5 | 20 | 700 |

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 |
| 600 | 2 | 500MCM – 1 AWG | 8 | 750MCM – 1/0 AWG | 350MCM – 6 AWG |
| 800 | 4 | 500MCM – 4/0 AWG | 12 | 750MCM – 1/0 AWG | 350MCM – 6 AWG |
| 1000 | 4 | 500MCM – 4/0 AWG | 12 | 750MCM – 1/0 AWG | 350MCM – 6 AWG |