

Power Series Transfer Switch

2,000 – 3,000 Amps

Contactor Type · Open and Delayed Transition

GENERAC | INDUSTRIAL
POWER

- Automatic Transfer Switch
- 2,000 – 3,000 A, up to 600 VAC, 50/60 Hz
- 3 or 4 Poles
- NEMA 1 or 3R
- Open with Inphase and Delayed Transition
- UL 1008 Listed
- CSA C22.2 No. 178 Certified
- Seismic Zone 4 Qualified (CBC, IBC, UBC)
- OSHPD Certification



Image used for illustration purposes only

Codes and Standards

Not all codes and standards apply to all configurations. Contact factory for details.



UL 1008 Listed



CSA C22.2 No. 178 Certified



NFPA 37, 70, 99, 110



NEC 700, 701, 702, 708



NEMA ICS10, MG1, 250, ICS6, AB1



ANSI C62.41



IEC 61000 EMC Testing and Measuring



IBC 2009, CBC 2010, IBC 2012, ASCE 7-05, ASCE 7-10, ICC-ES AC-156 (2012)

Description

Generac's Contactor Type Transfer Switches are double-throw switch construction with necessary interlocks to ensure safe, positive transfer between power sources. The switches are 3 cycle rated to ease breaker selection and coordination. The contacts are silver composite for long life, resisting pitting or burning. The switches are rated for full load transfers in critical operating, emergency, legally required, and optional power systems.

The microprocessor based controller is flexible with extensive programmable options. The standard product offers both open with inphase and delayed transition. The 2 line – 32 character LCD displays real time and historical information with time-stamped events. The integrated plant exerciser is configurable in off, daily, 7, 14, 28 day intervals with user configurable run time. With the standard features of pretransfer contacts, three phase sensing on utility and generator sources, phase unbalance, phase reversal, load shed/emergency inhibit and communications (Modbus® RTU).

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STANDARD FEATURES

GENERAL

- Cable Entry can be from the Front or Rear, and at the Top or Bottom
- Double-Throw, Stored Energy Transfer Mechanism
- Can be Electrically Isolated while Energized
- Kirk-key Interlocked for Lock-out/Tag-out
- LCD-Based Display for Programming, System Diagnostics and Help Menu Display
- Mimic Diagram with Source Available and Connected LED Indicator
- Time-Stamped History Log
- System TEST Pushbutton
- Programmable Plant Exerciser - OFF, Daily, 7, 14, 28 Day Interval Selectable Run Time 0-600 Minutes No Load/Load with Failsafe
- Methods of Transfer Include: Open with Inphase Transition Only, Time Delay in Neutral Transition, or Inphase with a Default to Time Delay in Neutral Transfer
- Mechanically Interlocked to Prevent Connection of Both Sources
- Field-Selectable Multi-Tap Transformer Panel Permits Operation on a Wide Range of System Voltages
- Modbus® RTU
- ATC-300+ Controller
- Operating Temperature -4 ° to 158 °F (-20 ° to 70 °C)

VOLTAGE AND FREQUENCY SENSING

- Three Phase Under and Over Voltage Sensing on Normal and Emergency Sources
- Under and Over Frequency Sensing on Normal and Emergency
- Selectable Settings: Single or Three Phase Voltage Sensing on Normal, Emergency and Load 50 or 60 Hz
- Phase Sequence Sensing for Phase Sensitive Loads

CONTACTS

- Source Available:
 - Source-1 Present, 1-N.O. and 1-N.C.
 - Source-2 Present, 1-N.O. and 1-N.C.
- Switch Position:
 - Source-1 Position, 4-N.O. and 4-N.C.
 - Source-2 Position, 4-N.O. and 4-N.C.
- Pre-Transfer Signal Contacts 1-N.O. and 1-N.C.

CONFIGURABLE OPTIONS

GENERAL

- ATC-900 Controller
- Digital Multi-Function Power Quality Metering
- Ethernet Connectivity
- Remote Annunciator Panel with Control
- Remote Multi-Switch Annunciator Panel with Control
- Maintenance Selector Switch
- General Alarm Indication
- Transient Voltage Surge Suppression (TVSS)
- Padlockable Cover for Controller
- Padlockable Cover for Device Panel
- Emergency Inhibit
- Selectable Retransfer
- Manual Generator Retransfer

CAM-LOK™ QUICK CONNECT TERMINALS

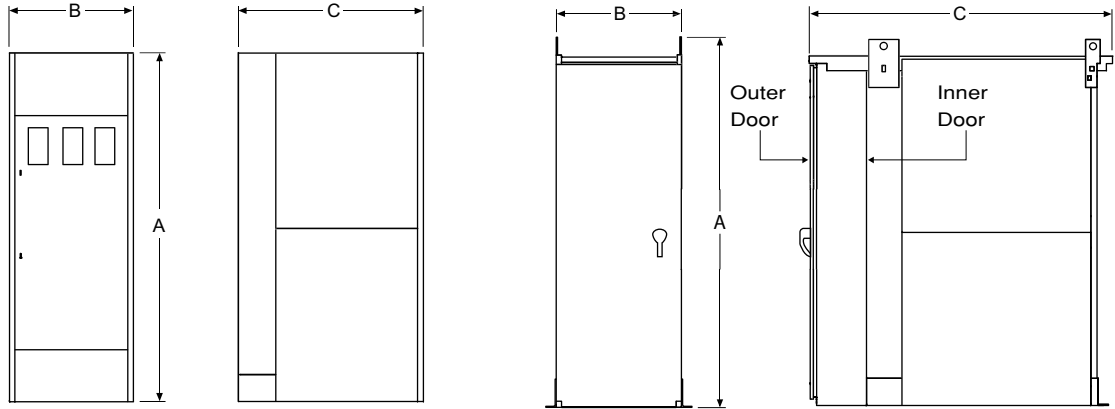
- Male Receptacle, E1016 Series
- Color Coded to Industry Standard
- Hinged Thermoplastic Covers
- 100% Ground Ampacity

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UNIT DIMENSIONS*



NEMA 1

NEMA 3R
(Controller and Device Panels Mounted on Inner Door)

Open Transition, Contactor Type, 2,000 – 3,000 A ATC-300

Amperes	Enclosure Type (NEMA)	in (mm)			Cu/Al		lbs (kg)
		A (Height)	B (Width)	C (Depth)	Load Side, Normal and Standby Source	Neutral Connection ¹	Weight
2,000	1	90.0 (2,286)	40.0 (1,016)	40.0 (1,016)	(8) 1/0-750 MCM	(24) 1/0-750 MCM	1,360 (617) 3-pole 1,385 (628) 4-pole
	3R	90.7 (2,304)	40.0 (1,016)	58.6 (1,488)	(8) 1/0-750 MCM	(24) 1/0-750 MCM	1,410 (640) 3-pole 1,435 (651) 4-pole
2,600	1	90.0 (2,286)	40.0 (1,016)	40.0 (1,016)	(12) 1/0-750 MCM	(36) 1/0-750 MCM	1,360 (617) 3-pole 1,385 (628) 4-pole
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¹ Only applies to wye system configuration with solid neutral. For four-pole, switched neutral configurations, the number and size of conductors supported will mimic Normal, Emergency and Load information shown.

UL 1008 Withstand and Closing Ratings

Ampere Rating	3 Cycle 600 V (kA)	Specific Fuse (kA)
2,000 – 3,000	100	200

* 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. Contact factory for dimensions on Cam-Lok™ option switches