

# INDUSTRIAL TRANSFER SWITCHES

PROVEN SOURCE • POWERFUL SOLUTIONS



**GENERAC**<sup>®</sup> | **INDUSTRIAL  
POWER**

# INDUSTRIAL & CRITICAL TRANSFER SWITCHES

Generac offers a full line of industrial transfer switches to meet varying needs from light industrial applications all the way to the most demanding critical installations. Our transfer switches feature four different platforms with multiple technology options offering a flexible solution up to 5,000 Amps. All platforms are 1½ or 3 cycle rated with some technologies featuring short time ratings to aid in breaker selection and selective coordination, which is essential in mission critical applications. Our switches are fully rated 4th pole operating on a common crossbar; this eliminates the typical problems with a 4 pole overlapping neutral design.

## PLATFORMS

### Standard

Provides fast transfers and is an economical and easy-to-use choice for most facilities.

### Service Entrance

Provides a disconnect that interrupts excessive current and allows for manually disconnecting your facility from the electrical utility. Rated for full load transfers in critical operating, emergency, legally required, and optional power systems.

### Bypass Isolation

Designed for transfer switch applications where maintenance must be performed while maintaining continuous power to the load.

### Manual

Ideal for mobile generator or temporary power applications that are easily connected using quick connect Cam-Lok™.



## TX SERIES TRANSFER SWITCHES

The TX Series transfer switches are both Generac designed and built in house with exceptional features that meet, and exceed, any application needs. These transfer switches have some of the highest Withstand and Closing Ratings (WCR) with 3 cycle ratings, or optional 30 cycle ratings available. In addition, these switches eliminate the need for PPE during controller use, firmware updates, or data downloads when the enclosure door is installed.

- 100 – 1,000 Amp
- Open (Inphase), Delayed, or Closed Transition
- Contactor
- 2, 3, 4 Pole
- NEMA 1, 12, 3R, 4 and 4X
- UL1008
- ETL Listed
- Microprocessor Based Controller
- Two or Three Wire Start (works with any generator)
- Service Entrance and Non-Service Entrance Rated



### HIGH WITHSTAND AND CLOSING RATINGS(WCR)

TX offers one of the highest WCR ratings across all Amp nodes along with industry leading 3 cycle ratings

### CONTROLLER

Featuring a front accessible USB port for firmware updates. Built in battery backup with redundant DC terminal strip for additional reliability

### 100% RATED

Service entrance models are 100% rated to carry full rated current and meet code requirements for readily accessible service entrance breaker

### ADDITIONAL FEATURES

All outdoor units equipped with standard heater. Only switch in the industry to be voltage agnostic without the need of a field kit\*.



\*Excludes 480V three wire system.

## POWER SERIES TRANSFER SWITCHES

The Power Series transfer switch (PSTS) line features three different platforms with multiple technologies to offer the most flexible solutions up to 5,000 Amps. All platforms are rated for 3-cycle operation with highly reliable mechanisms. Service entrance models are 100 percent rated and available with integral overcurrent protection.

- 100 – 5,000 Amp
- Open (Inphase), Delayed or Closed Transition
- Bypass Isolation
- Contactor, Power Frame, or Molded Case Breaker
- 2, 3, 4 Pole
- NEMA 1, 12, 3R, 4 and 4X
- UL1008/CSA/NFPA/NEC/ISO/OSHPD/IEC
- Microprocessor Based Controller
- Two or Three Wire Start (works with any generator)
- Service Entrance and Non-Service Entrance Rated
- Optional quick connect Cam-Lok™ available



## MANUAL POWER SERIES TRANSFER SWITCHES

Generac's Manual PSTS switches are ideal for use in applications having a need for a mobile generator. All switches come with standard, code compliant interlocked Cam-Lok™ connections, which makes them reliable for use in these applications.

- 100 – 1,200 Amp
- Double throw
- 2, 3, 4 Pole
- NEMA 3R
- Optional service entrance rating available (excluding 600V, 1,200A switch)
- Available in fused and non-fused contact versions
- UL Listed



# TRANSFER SWITCH PRODUCT LINE UP



## GENERAC ATS COMPREHENSIVE PRODUCT LINE

Features	TX Series Non-Service Entrance		TX Series Service Entrance	PSTS Non-Service Entrance	
Application	Light Commercial, Industrial and Mission Critical	Light Commercial, Industrial and Mission Critical	Light, Commercial, Industrial and Mission Critical	Light Commercial, Industrial and Mission Critical	Light commercial, Industrial and Mission Critical
Transfer Technology	Contactor	Contactor	Contactor	Contactor	Power Frame Breakers
AMP Range	100-400A	600-1000A	100-1000A	100-3000 A	1600-5000 A
Phase	1 and 3 Phase	1 and 3 Phase	1 and 3 Phase	1 and 3 Phase	1 and 3 Phase
Voltage Range	208-480 V	208-600 V	208-480 V	208-600 V	208-600 V
Transition Types	Open with Inphase, and Delayed	Open with Inphase, Delayed, and Closed	Open with Inphase, and Delayed	Open with Inphase, Delayed and Closed	Open with Inphase, Delayed and Closed
WCR Ratings (Specific Breakers)*	35-65 kA	85-125 kA	35-100 kA	22-100 kA	100 kA
WCR Ratings (Fuses)	200 kA	200 kA	200 kA	100-200kA	100-200 kA
WCR (3 cycle)*	22-35 kA	85-100 kA	N/A	10-100 kA	100 kA
WCR Ratings (30 Cycle)*	N/A	50-85 kA	N/A	N/A	85 kA
Communication	Modbus RTU or Ethernet	Modbus RTU or Ethernet	Modbus RTU or Ethernet	Modbus RTU and Ethernet	Modbus RTU and Ethernet
Enclosure Types	NEMA 1, 3R, 4X	NEMA 1, 3R, 4, 4X, 12	NEMA 1, 3R, 4, 4X, 12**	NEMA 1, 3R, 4X	NEMA 1, 3R

\*Withstand ratings are at 480V and below. Contact Factory for 600V withstand ratings.

\*\* 4, 4X and 12 not available on all configurations

**GENERAC ATS COMPREHENSIVE PRODUCT LINE**



PSTS Service Entrance			PSTS Bypass		PSTS Manual
Light Commercial and Industrial	Light Commercial and Industrial	Light Commercial and Industrial	Light Commercial, Industrial and Mission Critical	Light Commercial, Industrial and Mission Critical	Light Commercial and Rental
Contactor	Molded Case Breaker	Power Frame Breaker	Contactor	Power Frame Breaker	Double Throw Manual
100-1600 A	100-1000 A	1200-5000 A	100-1600 A	1600-5000 A	100-1200 A
1 and 3 Phase	1 and 3 Phase	1 and 3 Phase	1 and 3 Phase	1 and 3 Phase	1 and 3 Phase
208-600 V	208-600 V	208-600 V	208-600 V	208-600 V	240-600 V
Open with Inphase, and Delayed	Open with Inphase, and Delayed	Open with Inphase, Delayed and Closed	Open with Inphase, Delayed and Closed	Open with Inphase, Delayed and Closed	Manual Transition
22-65 kA	50-100 kA	100 kA	50-65 kA	100 kA	N/A
100-200 kA	100-200 kA	100-200 kA	100-200 kA	100-200 kA	100-200 kA
10-65 kA	50-100 kA	65-100 kA	30-50 kA	100 kA	10 kA
N/A	N/A	85 kA	N/A	85 kA	N/A
Modbus RTU and Ethernet	Modbus RTU and Ethernet	Modbus RTU and Ethernet	Modbus RTU and Ethernet	Modbus RTU and Ethernet	N/A
NEMA 1, 3R	NEMA 1, 3R, 4X	NEMA 1, 3R	NEMA 1, 3R	NEMA 1, 3R	NEMA 3R

# CONTROLLER OVERVIEW

Generac Power Systems offers a full line of controllers to fit your every need. From our existing PSTS series ATC-300+ controller and ATC-900 controller, to our new TX Series TXC-100 controller.

## **TXC-100 CONTROLLER**

The TXC-100 is a microprocessor-based controller that provides customers with the flexibility to program a comprehensive group of set points to match the application's needs. This front-accessible controller features a standard USB port for easy firmware updates and data downloads. All TXC-100 controllers are also voltage agnostic\* for field reconfigurable voltages. With 2 programmable inputs and 1 programmable output as standard, optional expansion is also available for up to 4 programmable inputs and outputs. The TXC-100 has an LCD display that shows real time and historical information, and features an integrated configurable plant exerciser. With built in battery backup, it increases switch reliability and reduces switch transition time to alternate sources.

## **ATC-900 CONTROLLER**

The ATC-900 is designed, tested, and listed for the most rigorous mission critical applications. The ease of use, adaptability, supervisory, and programming capabilities are ideal for health care, wastewater, data center and other industrial applications. Brings intelligence, adaptability, and enhanced supervisory and programming capabilities to the PSTS product offering. USB upload parameters come standard to help reduce configuration time. The ATC-900 controller has a 4.3 inch color LCD display, 450 events, last capture, customizable data acquisition, and USB data download.

## **ATC-300+ CONTROLLER**

The ATC-300+ microprocessor-based ATS controller is unmatched in performance, reliability and functionality for critical operating, emergency, legally required and optional power systems. The ATC-300+ has a 2 line-32 character LCD display in real time and historical information with time-stamped events. Features also include digital programmable plant exerciser— OFF, daily, 7, 14, 28-day interval programmable run times. With the standard features of pre-transfer contacts, 3 phase sensing on utility and generator source, phase unbalance, phase reversal, load shed/ emergency inhibit, and communications (Modbus® RTU) the ATC-300+ is the industry benchmark for transfer switch controllers.

\*Except 480 volt delta connection and 600 volt configurations. 480 volt delta will require an additional voltage transformer and must be specified at time of ordering.





Features	TXC-100	ATC-900	ATC-300+
<b>Application</b>	Util to Gen; Gen to Gen; Util to Util; 3 Source Available	Util to Gen; Util to Util; 3 Source Available	Util to Gen; Util to Util
<b>Display</b>	2.9 in Graphical LCD Display plus Mimic Diagram	4.3 in color LCD Display	2-line, 16 character, LCD Display plus Mimic Diagram
<b>Basic Transfer Time Delays</b>	Programmable	Programmable	Programmable
<b>Transfer Mode</b>	Open/Delayed	Open/Delayed/Closed	Open/Delayed
<b>Bypass Time Delays</b>	Standard	Standard	Standard
<b>Load Shed from Emergency</b>	Standard	Standard	Standard
<b>Source 2 Inhibit</b>	Standard	Standard	S2 Only
<b>Go to Emergency</b>	Standard	Standard	Standard
<b>Engine Exerciser</b>	Off, daily, day of week, biweekly, monthly intervals	Off, Daily, 7/14/28 Day, Calendar date (up to 12 user-specified dates) No Load or Load, 0-600 minutes	Standard - Clock - 1 routine - 7/14/28 Day or off, programmable with or w/o load, 0-600minutes
<b>Pre-transfer Signal</b>	Standard, Configurable Output 0-120 Sec	Standard, Configurable Output 0-600 Sec	Standard, Fixed
<b>Post-transfer Signal</b>	N/A	Standard, Configurable Output 0-600 Sec	N/A
<b>Monitor Mode/Lock-out</b>	N/A	Standard	Standard
<b>History/Event Log</b>	200 events/alarms are time stamped	450 events are time stamped	16 most recent transfer events, 21 event reasons
<b>Source Acceptable Output</b>	LED Indication	Standard	Standard (Present Only)
<b>General Alarm Output</b>	Standard	Standard, Configurable Output	Standard
<b>Voltage Unbalance</b>	Standard	Standard	Standard
<b>Phase Reversal</b>	Standard	Standard	Standard
<b>Preferred Source Selection</b>	Standard	Standard	N/A
<b>Ethernet</b>	N/A	Optional	Optional
<b>Remote Annunciator</b>	N/A	Optional	Optional
<b>Communication Protocol</b>	Modbus RTU	Modbus RTU, Optional Ethernet	Modbus RTU, Optional Ethernet

# REMOTE ANNUNCIATORS

Every transfer switch comes fully loaded with the technology to do the job. The Remote Annunciator controller provides users with the ability to remotely monitor and control single or multiple transfer switches from one intuitive, color touchscreen. The remote annunciator controller connects to Generac's ATC-900 or ATC-300+ controller serving as an extension of the transfer switch controller with auto IP syncing for faster configuration. The annunciator is equipped with Modbus RTU and remote control capability including: transfer to source 2, engine test, time delay bypass, audible or silent alarm, and manual retransfer compliant with NFPA 110 for panel-mounted control switches.

## TX REMOTE ANNUNCIATOR



- Remotely monitor and control a single TX transfer switch
- Connects to TXC-100 controller
- Mimic Diagram with 11 LEDs and Audible Alarm Horn
- ATS Transfer Test mode

## PSTS REMOTE ANNUNCIATOR



- Remotely monitor and control multiple PSTS transfer switches
- Connects to ATC-900 or ATC-300+ controller
- Color touchscreen display
- Password protection for all control



## PROVEN SOURCE. POWERFUL SOLUTIONS.

We are a global company with more than 4.6 million square feet of vertically integrated manufacturing and distribution capacity. We are one of North America's largest suppliers of power generation equipment with an intense focus on innovation that creates a disruptive force in the marketplace. We design and manufacture natural gas, diesel, bi-fuel generator and transfer switches that can work alone or be paralleled to provide you with a more robust gen-set solution. We also provide a world-class Industrial Distribution Network that stands behind you 24/7/365, as well as access to our in-house engineers and technical support.

**Our inventive Industrial Power gen-sets are standing by, ready to meet virtually any application.**

For more information or to learn more,  
visit us online or call us at:



**GeneracIndustrialPower.com**



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201901931 REV 01/23

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