



# ANALYTIC SYSTEMS

Power Conversion Solutions

5KW Transfer Switch

Model  
ITS5000R



## Description

The ITS5000R transfer switch is a 2U (3.5" x 19" rackmount switch that is used in UPS applications to allow the load to be supplied either by the utility or a secondary AC source, such as an inverter.

A specially designed AC-fail circuit detects the loss of utility power within a maximum of 3.5ms, and contact is activated in 4.5ms for a total switching time of 8ms.

The ITS5000R switches both the phase and neutral poles and therefore provides galvanic isolation between the sources.

The unit is manufactured in North America, with the highest quality components, under strict quality control.

Customizing is possible even for single units

## Benefits

- ◆ Ultra-Quiet
- ◆ Protect Sensitive Electronics
- ◆ Rugged & Reliable
- ◆ Ensure years of safe and trouble-free operation

## Design Features

- ◆ High speed: 8ms transfer time
- ◆ Custom configurable even at low quantities
- ◆ Convection cooled
- ◆ Meets safety and EMI standards
- ◆ High quality and reliability
- ◆ Made in North America

## Applications

- ◆ Electric Utilities and Substations
- ◆ Telecom Power Plants
- ◆ Manufacturing Locations
- ◆ Steel Mills
- ◆ Military Applications (COTS)
- ◆ Industrial Controls
- ◆ OEM Applications
- ◆ Solar / Alternative Power Systems
- ◆ Fuel Cells

# 5KW Transfer Switch ITS5000R Series 19" Rackmount Transfer Switch

Input Voltage	115VAC or 230VAC – 47-63Hz
Output Voltage	115 VAC @ max. 5kW OR 230VAC @ max. 10kW
Input Isolation	2250VDC line to chassis
Transfer time	8ms max.
Contact Breaking Capacity	300A RMS
Contact Making Capacity	500A RMS
Continuous Current Capacity	50A RMS
EMI Suppression	EN 55022 Class A. as a minimum
Input connections	Compression type terminal block
Output connections	Compression type terminal block or six standard outlets
Alarms	Utility fail Inverter fail Potential-free form C with acoustic indicator for both alarms
Visual Indicators	LEDs to indicate whether the load Is being supplied from the inverter input or the utility input
Operating Temperature Range	0 to +50°C
Storage Temperature	-55 to 85°C
Dimensions	2U (3.5") x 19" x 15"

Note: Specifications are subject to change without notice.

Warranty: Twelve months subject to application within good engineering practice  
Enhancements to these general specifications can be accommodated upon request  
Designed to meet common approval requirements. Specifications Subject to Change Without Notice  
Designed and Manufactured in Canada



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