



# ANALYTIC SYSTEMS

Power Conversion Solutions

#207 12448 82nd Ave.  
Surrey, BC V3W 3E9 CANADA

+1 (604) 543-7378 · phone  
1-800-668-3884 · toll free  
+1 (604) 543-7354 · fax

[www.analyticsystems.com](http://www.analyticsystems.com)



## Benefits

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

## 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

### 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.

### 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

# ITS5000R Series 19" Rackmount Transfer Switch

## Specifications

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

**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

Available From:



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Quality since 1976

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