

AC Redundancy Transfer Switch

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RTS Series Automatic AC Transfer Switch

The RTS Series automatic AC redundancy transfer switch enables two AC input sources, such as DC-AC Inverters or AC UPS Systems, to be operated in an N+1 redundant configuration for critical power applications. This offers a cost effective solution whereby two input sources can operate in a master slave configuration, so if one power source fails the other is capable of taking over the load.

Features

- Dual AC Inputs, (isolated)
- Switchable 115/230VAC 50/60Hz
- 10A, 16A or 32A output current versions
- LED status indicators
- Load detection and overload protection
- RS232 communication
- Dry contact alarm function



Electrical Specification

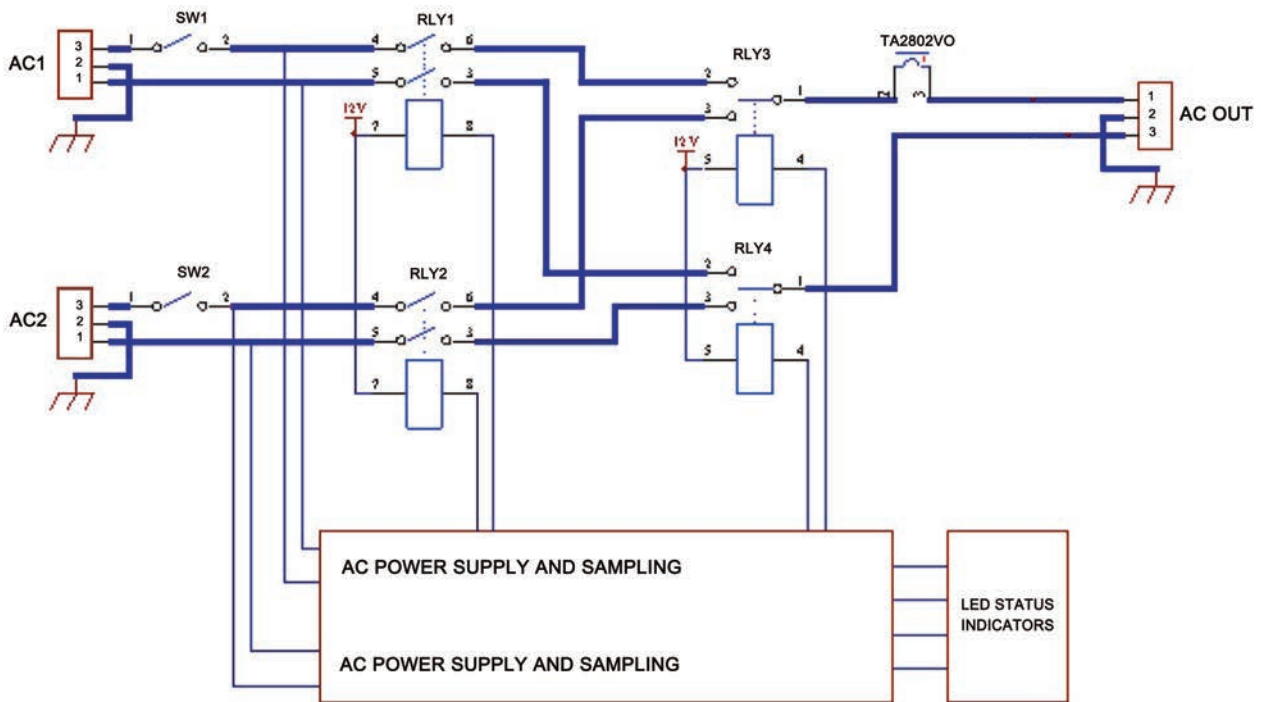
Model	RTS-10	RTS-16	RTS-32
Input Voltage	single phase 80-145/180-265VAC switch selectable		
Input Frequency	44-66Hz		
Output Voltage	80-145/180-265VAC depending on input		
Output Frequency	44-66Hz depending on input		
Transfer time	8-10mS		
Capacity	1kVA/2kVA (115/230VAC)	1.5kVA/3kVA (115/230VAC)	3kVA/6kVA (115/230VAC)
Overload Protection	up to 150% for ≥ 60 seconds		
Master Slave Operation	Push Button Input 1 or Input 2 selectable		
LED Indication	Shows input 1 & 2 present and master/slave configuration and input sync		
Output Voltage Regulation	$\pm 5V$		
Output Frequency Stability	$\pm 0.5Hz$		
Operating Temperature	$-5^{\circ}C$ to $+40^{\circ}C$		
Relative Humidity	93% non condensing		
Cooling	Convection cooled		
Communication Monitoring	RS232 and dry contacts		
Dimensions	484W x 285D x 44Hmm (W including rack mounting brackets)		
Weight	4 kilos		

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System working block diagram



RTS Connections



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