

# SMART FAIL-SAFE TRANSFER SWITCH

## Dual-Input AC Failover.



Increase Reliability. Eliminate Downtime.

Improve reliability with a fail-safe transfer switch. Add redundant power to single-circuit devices.

Connect any two AC power inputs (grid, UPS, generator, solar..) When one goes down, you'll still be running. The switch automatically selects the best power input for uninterrupted operation. If the primary power source fails, switching to the backup typically occurs in less than 10ms. Applications include datacenters, remote radio sites, and UPS + grid powered installations.

Highest Reliability in its Class

Our engineers analyzed products from Tripp Lite, APC, MG and others. Failure modes found in competitive products have been eliminated. Test units have survived over 1 million cycles and are still running strong. Intelligent controls have been added to keep the switch running through brown-outs. UPS, generator, and solar input power is handled smoothly.

Remote Monitoring and Alarms

Front panel status output can be linked to a server via RS232-USB or directly to a DLI power switch. Four L-15 output circuits are provided.

- Provides safe, clean, failover switching for 110-120VAC circuits.
- Adds redundancy to single-cord devices.
- Easy-to-use, reliable, plug-and-play operation. Sets up in seconds. No controls or settings, just plug it in.
- Works reliably and efficiently with grid, UPS, generator, and inverter/solar inputs.
- Adds surge protection for cleaner power.
- Handles brown-out and generator start-up conditions safely.
- RS-232 output may be connected to servers or power controllers for remote status monitoring.
- Two 12A L-15 cords for input, four L-15 outlets for output.
- Inputs can be in-phase or out-of-phase.
- Safety lockout timer eliminates oscillation problems with weak power sources.
- Cost effective.



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## SPECIFICATIONS

Alert Beeper	68dBa at 12".
Applications	Datacenter servers Telecom UPS + Grid redundancy
Circuit Breakers	Manual reset, 15A Thermal, UL
Display	2x16 Backlit LCD w/ PowerSave
Dimensions	RETMA 1-U compliant Outside 1.75x4.5x17" 19" between tips of rack ears
Enclosure	Steel chassis, double grounded. No plastic. Vented 4 sides. Fanless.
Environment	Indoor use only.
FCC Testing	Part 15 S/D
Humidity	8-80% RH Operating
Input Power Cords	UL CSA L-15 7 foot length
Input and Outlet Rating	UL, CSA 12A 120VAC
Input Frequency	50-60Hz Only
Operating Temperature	-30° to 170°F, -34° to 77°C
Operating Voltage	90-135VAC Normal Survives spikes to 160V

Options - OEM	Custom firmware
Outlet Specification	UL/CSA L-15 Standard
Outlet Switching	SPDT switched circuit
Output Current	12A
Power Dissipation	3.1W Max
Power Supply Rating	70-140VAC
Power Fail Hold-Over	2500 ms minimum (relays on)
Relay Contact Spec	20A NO AC 277V
Serial Port	9600 baud, N, 8, 1 status output only
Surge Protection	580J 25,000A MOV
Size (Single-Pack Carton)	5.5x8.2x20.8"
Switching Times	
Power-Up Primary ON.....	4 seconds
Primary-Fail to Secondary.....	9-15ms
Secondary Lockout.....	5 seconds
Switch back to Primary.....	9-15ms
Weight	Single bare unit 6.2 lbs Packed out 7.4lbs