Automatic Fail-Over Switch

USER'S GUIDE

DIGITAL LOGGERS, INC.

Product Features

Congratulations on selecting the DLI Automatic Transfer Switch, a smart dual-input AC failover switch.
Features include:

Easy to Use
Simply connect inputs and outputs. No settings are required.

Full Microprocessor Control
The internal microprocessor automatically handles brown-out, blackout, wiring fault detection, and loss of power detection.

Fast Switching
Switching is fast and fully automatic. Switching typically occurs in less than 10ms (.01s)

4 Switched, L-15 outlets
Four switched outlets are provided, fed by two 7' length 14Ga L-15 power cords.

LCD and RS-232 Serial Status Display
Status of the switch may be monitored on the LCD display or remotely via the RS-232 output port.

1500ms+ Holdover Time
The switch will typically operate for up to 2 seconds after complete loss of power on both input

Standard Package Contents

1. Smart Transfer Switch
2. Registration Card & Manual

Please contact the shipping carrier immediately if your package appears opened or damaged in transit. Call DLI at (408) 330-5599 for tech support, service, firmware and hardware upgrades.

Compatible Attached Equipment

Any AC load may be connected. Inductive and power-factor-corrected loads will not adversely affect operation of the switch. Total rated load current is 12A.

Installation

Connect the input cords to any two AC power supplies. For example, you may connect a UPS and a Grid power source to ensure that attached equipment will continue to run in the event of a UPS failure.

Operation

Operation is fully automatic. When the primary (preferred) input power supply fails, loads will quickly be switched to the backup power source. After primary power is restored and stable for a minimum of 5 seconds, loads will be switched back to the primary power source. Status is displayed on the LCD

RS-232 Port

The DTE RS-232 port operates at 9600, N,8,1 in output-only mode. Status is sent periodically.

Technical Support

Please register your product. A quick on-line registration gets you free technical support and allows us to inform you when updates and new features become available. Registering gives you access to mail-in firmware updates. To save time, please have a look at the product FAQ page solutions. You may FAX questions to (408) 970-3491 or email: support@digital-loggers.com. For phone support, call (408) 330-5599 with the following so we can better serve you:

- The firmware version displayed when the switch is powered up.
- A description of the inputs and the loads attached.

Frequently Asked Questions

A list of FAQs is maintained at:
www.digital-loggers.com/ATSFAQs.html

We Appreciate Your Feedback

At DLI, we listen to customers. Please send suggestions to engineering@digital-loggers.com. Since we're constantly adding and changing features, specifications are subject to change without notice.

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	-30o to 170oF, -34o to 77oC
Options - OEM	Custom firmware
Power Supply Rating	70-140VAC
	Survives spikes to 160V
Outlet Specicifcation	UL/CSA L-15 Standard
Outlet Switching	SIngle switched circuit
Output Current	12A
Power Dissipation	3.1W Max
Power Fail Hold-Over	1500 ms min, 2500 ms typ
Relay Contact Spec	20A NO AC 277V
Serial Port	9600 baud, N, 8,
	1 status output only
Surge Protection	2X 580J 25,000A MOV
Size (Single-Pack Carton)	5.5x8.2x20.8"
Switching Times	
Power-Up Primary ON	3 seconds
Primary-Fail to Secondary	9-15ms
Secondary Lockout	5 seconds
Switch back to Primary	9-15ms
Weight	Single unit 6.2 lbs
	Packed out 7.4lbs

Limited One-Year Warranty

The terms of this warranty may be legally binding. If you do not agree to the terms listed below, return the product immediately in original unopened condition for a full refund. The purchaser assumes the entire risk as to the results and performance of the unit. DLI warrants this power controller to be free from major defects. No agency, country, or local certifications are included with this unit. It is the responsibility of the user to obtain such certifications if they necessary for the customer's application. DLI's entire liability and exclusive remedy as to defective hardware shall be, at DLI's option, either (a) return of the purchase price or (b) replacement or repair of the hardware that does not meet DLI's quality control standards and has been returned through proper RMA procedures. DLI's liability for repair or replacement is to DLI's customer ONLY. WARRANTY SERVICE DOES NOT INCLUDE DAMAGE DUE TO OPERATION ON 240VAC FOR WHICH THE PRODUCT IS NOT INTENDED. No warranty service will be provided without an original invoice from DLI and an RMA number provided by technical support. RMA material must be shipped prepaid to DLI. RMA numbers are valid for 15 days from date of issue. This warranty does not cover products modified, subjected to rough handling, or used in applications for which they were not originally intended. Batteries are not covered under warranty. Physical damage caused by customer or in transit to DLI is not covered under warranty. No oral advice or verbal warranties made by DLI's employees, dealers, or distributors shall in any way increase the scope of this warranty. DLI makes no warranty as to merchantability or fitness for any particular purpose. DLI assumes no liability for incidental or consequential damages arising from the use or inability to use this product. This warranty gives you specific legal rights. You may also have other rights that vary from state to state. Since some states do not allow the exclusion of liability for consequential damages, some of the above limitations may not apply to you.

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Download a Manual

Frequently Asked Questions

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• Free Upgrades