



## Installation Instructions Model LFMWLT450, Class 1 Series AC-DC Power Supply

**AC INPUT** : 100-240 VAC, 6.2 A  
47-63 Hz

**SAFETY APPROVALS:** ANSI/AAMI ES60601-1 (2005 + C1:09 + A2:10)  
CAN/CSA-C22.2 No. 60601-1 (2008)  
IEC 60601-1(ed.3)  
EN 60601-1:2006;A11

(Input selection is automatic; no manual change is required)

**DC OUTPUT:**

Model Number	Voltage	Max. Load (Convection)	Min. Load (420 LFM)	Min. Load
LFMWLT450-1000	V1=5V	31.0A	55.0A	0.0A
LFMWLT450-1000-I	V1=5V	31.0A	55.0A	0.0A
LFMWLT450-1000-T	V1=5V	31.0A	55.0A	0.0A
LFMWLT450-1000-I-T	V1=5V	31.0A	55.0A	0.0A
LFMWLT450-1000-S	V1=5V	31.0A	55.0A	0.0A
LFMWLT450-1000-I-S	V1=5V	31.0A	55.0A	0.0A
LFMWLT450-1001	V1=12V	20.83A	37.5A	0.0A
LFMWLT450-1001-I	V1=12V	20.83A	37.5A	0.0A
LFMWLT450-1001-T	V1=12V	20.83A	37.5A	0.0A
LFMWLT450-1001-I-T	V1=12V	20.83A	37.5A	0.0A
LFMWLT450-1001-S	V1=12V	20.83A	37.5A	0.0A
LFMWLT450-1001-I-S	V1=12V	20.83A	37.5A	0.0A
LFMWLT450-1002	V1=15V	16.66A	30.0A	0.0A
LFMWLT450-1002-I	V1=15V	16.66A	30.0A	0.0A
LFMWLT450-1002-T	V1=15V	16.66A	30.0A	0.0A
LFMWLT450-1002-I-T	V1=15V	16.66A	30.0A	0.0A
LFMWLT450-1002-S	V1=15V	16.66A	30.0A	0.0A
LFMWLT450-1002-I-S	V1=15V	16.66A	30.0A	0.0A
LFMWLT450-1003	V1=24V	12.30A	18.75A	0.0A
LFMWLT450-1003-I	V1=24V	12.30A	18.75A	0.0A
LFMWLT450-1003-T	V1=24V	12.30A	18.75A	0.0A
LFMWLT450-1003-I-T	V1=24V	12.30A	18.75A	0.0A
LFMWLT450-1003-S	V1=24V	12.30A	18.75A	0.0A
LFMWLT450-1003-I-S	V1=24V	12.30A	18.75A	0.0A
LFMWLT450-1004	V1=48V	6.25A	9.37A	0.0A
LFMWLT450-1004-I	V1=48V	6.25A	9.37A	0.0A
LFMWLT450-1004-T	V1=48V	6.25A	9.37A	0.0A
LFMWLT450-1004-I-T	V1=48V	6.25A	9.37A	0.0A
LFMWLT450-1004-S	V1=48V	6.25A	9.37A	0.0A
LFMWLT450-1004-I-S	V1=48V	6.25A	9.37A	0.0A
LFMWLT450-1005	V1=30V	10.0A	15.0A	0.0A
LFMWLT450-1005-I	V1=30V	10.0A	15.0A	0.0A
LFMWLT450-1005-T	V1=30V	10.0A	15.0A	0.0A
LFMWLT450-1005-I-T	V1=30V	10.0A	15.0A	0.0A
LFMWLT450-1005-S	V1=30V	10.0A	15.0A	0.0A
LFMWLT450-1005-I-S	V1=30V	10.0A	15.0A	0.0A

### – CAUTIONS & NOTES –

**CAUTION:** This component level power supply is intended exclusively for installation within other equipment by an industrial assembly operation or by professional installers. This is a Class I power supply; the unit must be properly connected to earth ground in end use. A component power supply should be installed in end-use equipment according to the requirements of the safety standard used for that equipment. This power supply is not designed to be operated outside of an enclosure which provides a means of mechanical, electrical, and fire protection. To maintain SELV requirements, the outputs should not be connected together in any manner which causes the total output voltage to exceed 60 VDC.

**WARNING:** This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Additional application information is available from the EOS web site at [www.eospower.com](http://www.eospower.com)

EOS Power India Pvt. Ltd.

Unit # 57, SDF II, SEEPZ, Andheri (East); Mumbai 400 096, India

Phone: +91 22 67744000



## **Installation Instructions** **Model LFMWLT450, Class 1 Series AC-DC Power Supply**

### **PROTECTIVE EARTHING:**

These products are Class 1 and must therefore be reliably earthed and professionally installed in accordance with the prevailing electrical wiring regulations.

### **ENVIRONMENTAL CONDITIONS:**

#### **Transportation & Storage**

Ambient Temperature Range: -40 °C to +85 °C  
Relative Humidity Range:  
5 % to 95 % RH Non-Condensing  
Altitude: 40,000 ASL Feet

#### **Operation**

Ambient Temperature Range: 0 °C to +50 °C  
Relative Humidity Range:  
5 % to 95 % RH Non-Condensing  
Altitude: 10,000 ASL Feet

---

Additional application information is available from the EOS web site at [www.eospower.com](http://www.eospower.com)

EOS Power India Pvt. Ltd.

Unit # 57, SDF II, SEEPZ, Andheri (East); Mumbai 400 096, India

Phone: +91 22 67744000



## ***Installation Instructions*** **Model LFMWLT450, Class 1 Series AC-DC Power Supply**

### **FUSING and SERVICING:**

Fuses for both Line and Neutral are provided in the power supply, rated as 8A / 250 V. In case of failure, the Power Supply must be returned to EOS Power Authorized Service Center. There are no user-serviceable parts in the Power Supply.

### **LIMITED WARRANTY:**

EOS Power warrants each power supply of its manufacture for a period of two years from the date of manufacturing. This warranty applies to defects in materials and workmanship that result in non-performance to published specifications.

EOS Power assumes no liabilities for consequential damages of any kind through the use or misuse of its products by any user. No other obligations are expressed or implied.

Please note that the specifications, terms, and conditions stated are subject to change without notice.

### **NUCLEAR AND MEDICAL APPLICATIONS:**

EOS Power products are not designed, intended for use in, or authorized for use as critical components in life support systems, equipment used in hazardous environments, or nuclear control systems without the express written consent of the respective divisional president of EOS Power, Inc.

### **TECHNICAL REVISIONS:**

The appearance of products, including safety agency certifications pictured on labels, may change depending on the date manufactured. Specifications are subject to change without notice.

### **MECHANICAL DIMENSION:**

---

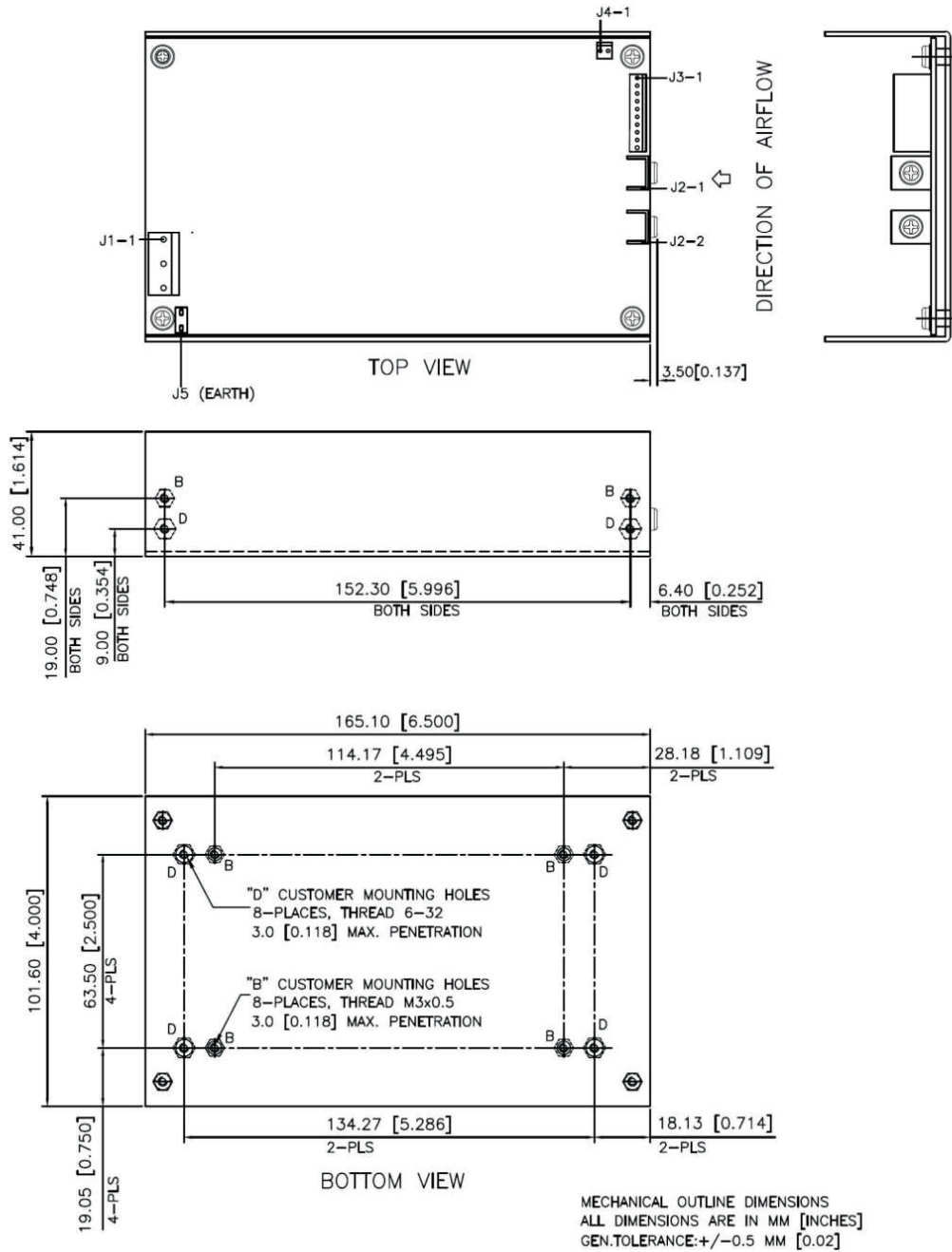
Additional application information is available from the EOS web site at [www.eospower.com](http://www.eospower.com)

EOS Power India Pvt. Ltd.

Unit # 57, SDF II, SEEPZ, Andheri (East); Mumbai 400 096, India

Phone: +91 22 67744000

# Option 1: Without Fan Mounting



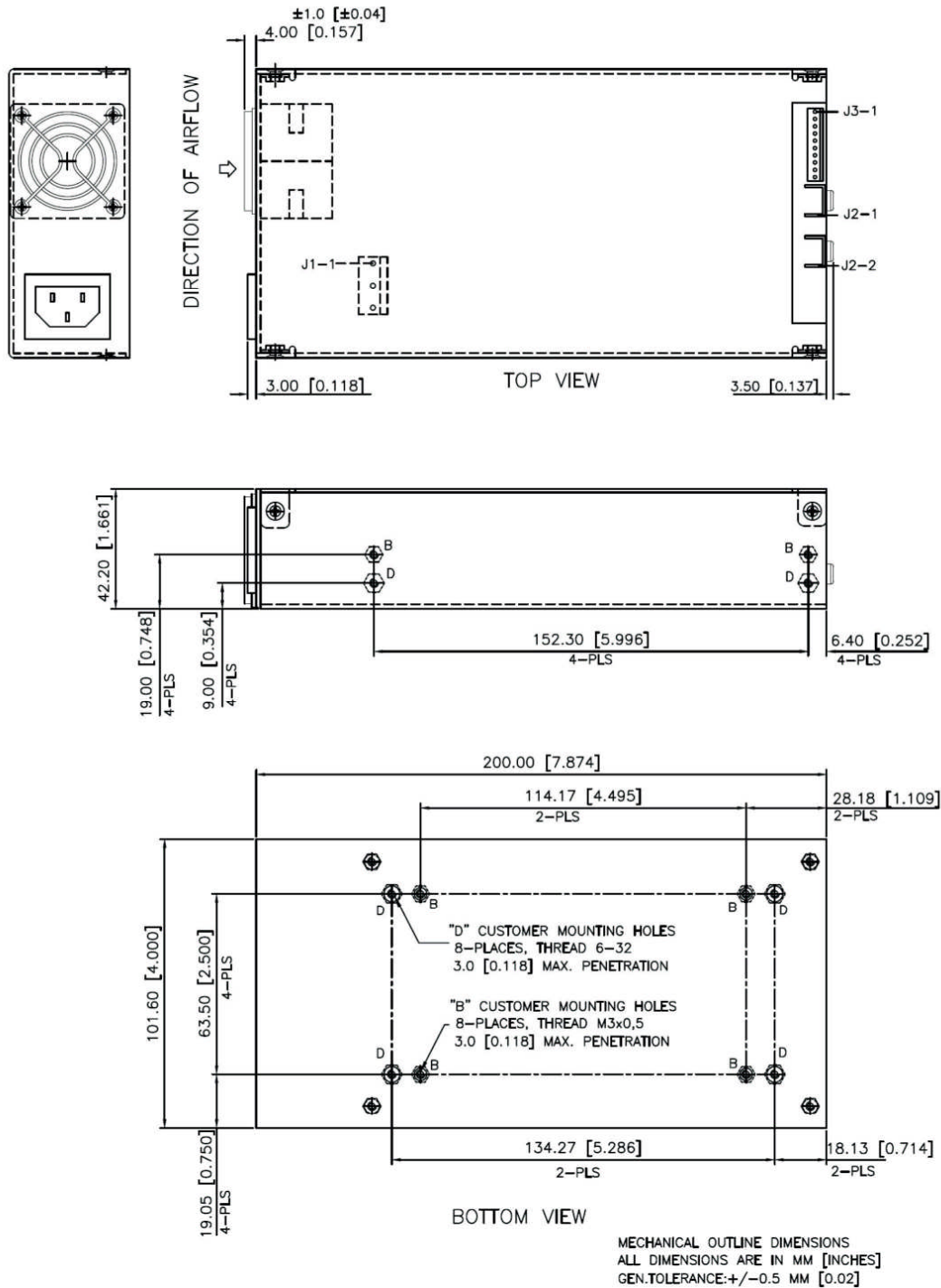
Additional application information is available from the EOS web site at [www.eospower.com](http://www.eospower.com)

EOS Power India Pvt. Ltd.

Unit # 57, SDF II, SEEPZ, Andheri (East); Mumbai 400 096, India

Phone: +91 22 67744000

## Option 2: Side Fan Mounting



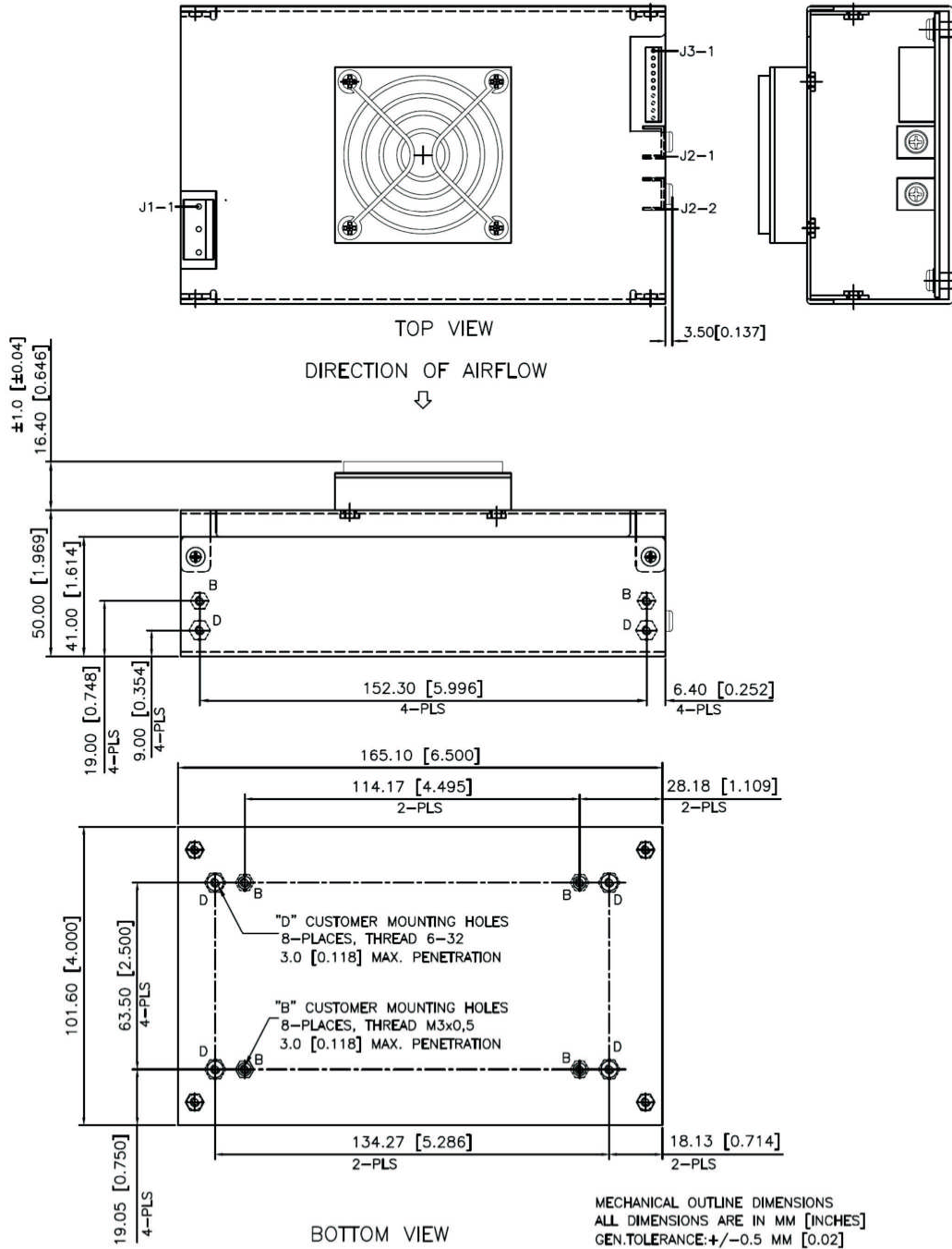
Additional application information is available from the EOS web site at [www.eospower.com](http://www.eospower.com)

EOS Power India Pvt. Ltd.

Unit # 57, SDF II, SEEPZ, Andheri (East); Mumbai 400 096, India

Phone: +91 22 67744000

## Option 3: Top Fan Mounting



**PIN ALLOCATION :**

Pin	Name	Description
<b>Input J1</b>		
J1-1	Line	AC Input Line
J1-3	Neutral	AC Input Neutral
J1-5	Earth	AC Input Earth
<b>Output J2</b>		
Pin 1	V1	V1 Main Output
Pin 2	RTN	Main Output Return
<b>Signal J3</b>		
J3-1	NC	NC

Additional application information is available from the EOS web site at [www.eospower.com](http://www.eospower.com)

EOS Power India Pvt. Ltd.

Unit # 57, SDF II, SEEPZ, Andheri (East); Mumbai 400 096, India

Phone: +91 22 67744000



**Installation Instructions**  
**Model LFMWLT450, Class 1 Series AC-DC Power Supply**

J3-2	PF OK	PF OK
J3-3	PG	Power Good
J3-4	DC RTN	DC Return
J3-5	+5Vstby	+5 Standby output
J3-6	+VE Remote sense	+VE Remote sense
J3-7	-VE Remote sense	-VE Remote sense
J3-8	CS	Current sharing
J3-9	DC Return	DC Return
J3-10	Remote ON/OFF	Remote ON/OFF
<b>FAN Output J4</b>		
J4-1	+VE	+VE
J4-2	-VE	-VE

**Connector Mating Parts (Molex or equivalent) :**

CONNECTOR	HOUSING	CRIMP TERMINAL	WIRE GAUGE
J1	1-1123722-5	-	AWG # 18
J2	-	8-31886-1	AWG # 16
J3	22-01-2087	08-50-0113	AWG # 24
J4	190030001	-	AWG # 18

Additional application information is available from the EOS web site at [www.eospower.com](http://www.eospower.com)

EOS Power India Pvt. Ltd.

Unit # 57, SDF II, SEEPZ, Andheri (East); Mumbai 400 096, India

Phone: +91 22 67744000