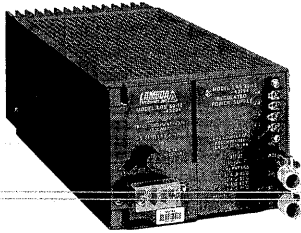


LRS Series

Rugged convection cooled power supplies



Convection Cooled

Low Output Ripple and Noise

Rugged Construction

5 Year Warranty

Meets MIL-STD-810C Environment Tests

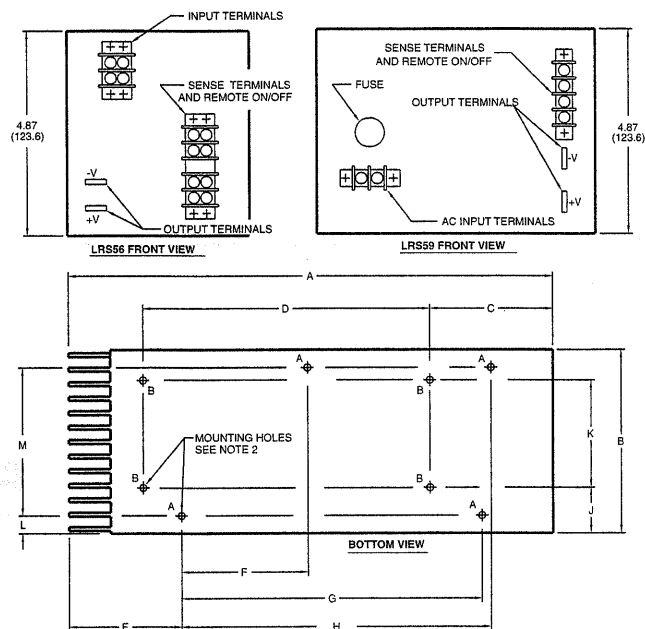
Lambda's LRS single output power supplies are ideal for rugged environments found in industrial applications. Environmental conditions, such as shock, vibration, humidity, low and high temperatures can seriously affect the performance of a power supply, thereby jeopardizing the integrity and dependability of electronic equipment. Lambda's LRS Series was specifically designed to operate within these parameters ensuring the highest reliability. Up to 1450 watts without the use of fans and available output voltages from 5 to 28 volts, the LRS Series will be the preferred choice for a high quality, maximum up-time supply.

Similar products

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JWS	Low Voltage, Low Power	24

AC Input	95-132VAC, 47-440Hz, for the LRS-56 Series. 187-265VAC, 47-440Hz, for the LRS-59 Series.
DC Input	145VDC \pm 10% for the LRS-56. 260 to 370 VDC for the LRS-59.
Fusing	Line fuse removes the power supply from the line if a short occurs in the input circuitry.
Inrush Current Limiting	The turn-on in-rush current will not exceed 40 amps peak from a cold start for the LRS-56. (50amps on the LRS-59).
DC Output Controls	Simple screwdriver adjustment over the entire voltage range.
Remote Programming Voltage	Volt per volt.
Remote Resistive Programming	1000 ohms/V.
Line Regulation	0.1% from low line to high line.
Load Regulation	0.1% from no load to full load.
Ripple and Noise	10mV RMS, 35mV pk-pk for 5V models. 15mV RMS, 100mV pk-pk for 12V through 28V models (20mHz bandwidth).
Overshoot	No overshoot at turn-on, turn-off or power failure.
Overvoltage Protection	Standard on all models. AC must be recycled to reset the OV circuit.
Overload Protection	Automatic electronic self-resetting current limiting circuit.
Cooling	All units are convection cooled. No fans or blowers are needed.
Operating Temperature Range	Continuous duty -10°C to +71°C with suitable derating above 40°C. Guaranteed turn-on at -20°C.
Storage Temperature	-55°C to +85°C.
Fungus Proofing	All units are inherently fungi inert.
Temperature Coefficient	0.03%/°C.
Remote On/Off	Provision is made for digitally controlled remote turn-on, turn-off (TTL Compatible)
Remote Sensing	Provision is made for remote sensing to eliminate the effects of power output lead resistance on DC regulation.
Thermal Protection	Self-resetting thermostat.
Finish	Grey, Fed standard 595, NO. 26081.
Safety Agency Approval	UL1950, CSA950
Warranty	5 years.

OUTPUT	POWER (W)	MAX CURRENT AMPS AT				MODEL
		40°	50°	60°	71°	
5V (4.75-5.25)	450	90.00	77.00	61.00	45.00	LRS-56-5
	1250	250.00	200.00	165.00	125.00	LRS-59-5
12V (11.4-12.6)	564	47.00	41.00	34.00	21.90	LRS-56-12
	1320	110.00	92.00	74.00	53.00	LRS-59-12
15V (14.25-15.75)	570	38.00	33.00	28.00	17.90	LRS-56-15
	1350	90.00	75.00	60.00	43.00	LRS-59-15
24V (22.8-25.2)	600	25.00	22.50	18.50	11.60	LRS-56-24
	1440	60.00	50.00	40.00	28.00	LRS-59-24
28V (26.6-29.4)	616	22.00	20.00	16.00	10.00	LRS-56-28
	1456	52.00	43.00	34.00	24.00	LRS-59-28



DIMENSIONS:											
MODEL	A	B	C	D	E	F	G	H	J	K	M
LRS-56	11.50 (292.1)	4.34 (110.2)	-	-	2.68 (68.1)	3.000 (76.2)	7.125 (181.0)	7.343 (186.5)	-	.42 (10.7)	3.500 (88.9)
LRS-59	13.62 (345.9)	6.62 (168.1)	2.92 (74.2)	8.000 (203.2)	-	-	-	-	1.65 (41.9)	4.125 (104.8)	-

WEIGHT:		
MODEL	NET LBS	SHIP LBS
LRS-56	9.5	11.0
LRS-59	16.5	19.0

- NOTE:**
- DIMENSIONS ARE IN INCHES EXCEPT DIMENSIONS () ARE IN MM.
 - 8-32 UNC-2B TAPPED HOLES FOR CUSTOMER MTG.
SCREWS MUST NOT PROTRUDE INTO POWER SUPPLY BY MORE THAN .25 (6.3).
"A" HOLES FOR LRS-56 ONLY.
"B" HOLES FOR LRS-59 ONLY.
 - CUSTOMER MUST PROVIDE CLEARANCE AROUND VENT HOLES TO ALLOW FOR AIR FLOW.