

LED Driver

LP1090-XX-YZ-E Series Switch-Mode LED Driver	
Total Power	96 Watts
Input Voltages	90-264 VAC or 100-277VAC
Number of Outputs	One

Product Specifications

ANZ#: Z097d, Oct. 2, 2006

SPECIAL FEATURES	ELECTRICAL SPECIFICATIONS	
- UL1310 / UL48 Class 2 certified - Various DC output available, max 96-Watts - Meet IP64 standards - Suitable for damp or dry locations - Suitable for wet location with adequate end plate and connectors - Designed for outdoor or indoor applications - Built-in wiring compartments for easy installation (selected models) - Compact, lightweight w/ aluminum case - Active PFC to conserve power consumption - DIN Rail Mounting – Optional	Input range Frequency Power Factor Crest Factor Inrush current Input current Efficiency EMI filtering Maximum power Current Adjust range Load regulation Leakage Current Hold up time	90 to 264 VAC, Full range or 100-277VAC 47 to 63 Hz > 0.95 at full load, 115VAC 1.5 max. 40.0 Amps maximum at 230VAC, cold start, 25° C 1.5Amps maximum at 90VAC 85% typical at 230VAC and maximum load 47CFR, Part 2, Part 15 and Cisp PUB, 22 Class A 96W 30 ~ 50% ±3% 0.2mA @ 110VAC, 0.4mA @ 230VAC Half cycle minimum at 120 VAC and 80% of rated load Over-voltage, Over-current, Over-power and Short circuit protection: Auto-recovery

ENVIRONMENTAL	
Operating temperature:	-30 to 70 ° C (De-rating : 2% per ° C from 50°C)
Storage temperature:	-40 to 85 ° C
Humidity (Non-Condensing):	5% to 95%
Cooling:	Convection
Vibration Frequency:	5 to 50 Hz
MTBF:	>100,000 Hours at full load and 25°C ambient conditions (MIL-217F)
EMC :	Compliant to 47CFR, Part 2, Part15 and Cisp PUB, 22 Class B

SAFETY	
UL	UL1310 / UL48 Class 2 certified
CE	Certified

MODEL INFORMATION – SINGLE OUTPUT					
Model Numbers	Constant Voltage Mode Output		Constant Current Mode Output		Total output (Watts)
	Adjust range (Vdc)	Current range (A)	Voltage range (Vdc)	Adjust range (A)	
LP1090-36-YZ-E	24 ~ 36	1.0 ~ 2.66	18 ~ 36	1.50 ~ 2.66	96
LP1090-24-YZ-E	18 ~ 24	1.5 ~ 4.00	12 ~ 24	2.50 ~ 4.00	96
LP1090-19-YZ-E	12 ~ 19	2.0 ~ 5.00	10 ~ 19	3.00 ~ 5.00	96

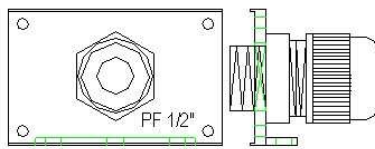
MECHANICAL DRAWING	
Model Information – Single DC output	
LP1090-XX-YZ-E	
XX – DC outputs	
Y – AC input side plate options, refer to drawing for more details	
Z – DC output side plate options, refer to drawing for more details	
E – Aluminum enclosure length, 170, 240, 290mm, refer to drawing for more details	
Housing “240”, “290” – The wiring compartment is accessed through side plate only.	
Housing “249”, “299” – The wiring compartment can be accessed from the top plate.	

MECHANICAL DRAWING (AC INPUT VS. DC OUTPUT)

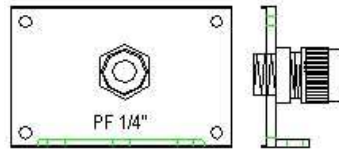
LP1090-XX-YZ-E

Y – AC input side plate options (Gland not included)

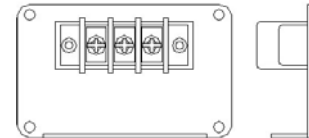
GM-PF21-G



GM-PF13-G

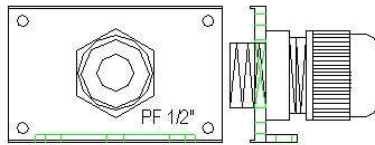


TL-03-T



Z – DC output side plate options (Gland not included)

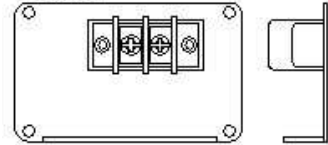
GM-PF21-G



GM-PF13-G



TL-02-T



Note: End plates and liquid tight glands for wet location application can be ordered separately.

