



POWER ELECTRONICS
 a subsidiary of SL INDUSTRIES, INC.
 ISO 9001 CERTIFIED
 6050 King Street, Bldg A
 Ventura, CA 93003
 Phone: 805-486-4565
 Fax: (805) 487-8911



GLD150 SERIES INSTALLATION INSTRUCTIONS

MODEL NUMBERS: GLD150-X-C-YYY G, where X represents the output voltage which may be any number from 12 through 48. Suffix -C, when used, indicates optional cover is provided, and -YYY is any number 000 through 999 that denotes value added options that do not effect safety and the G suffix denotes compliance with RoHS.

RATINGS:

Input: 100-240 V ac, 4.0 A, 50/60 Hz

Output:

180 W maximum with a minimum of 150 LFM, with or without cover.

150 W maximum with no airflow and no cover.

132 W maximum with no airflow and with cover.

Fan output is 12 V dc, 0.25 A

- Notes:
1. Maximum ambient temperature for rated output power is 50°C.
 2. Maximum Operating Relative Humidity 96%, no condensation.
 3. Storage: -40 to +85 °C. Units should be allowed to warm-up under non-condensing conditions before application of power.

CERTIFICATION: All models are Certified to be in compliance with the applicable requirements of EN/IEC/UL 60601-1, CSA 22.2 No. 601.1-M90.

CLASSIFICATION:

<p>(In accordance with sub-clause 5 of IEC 601-1)</p>	<p>(5.1) Protection against electric shock = Class I (5.2) Degree of protection against electric shock = Not acceptable for applied part without additional isolation (contact factory for details) (5.3) Protection against harmful ingress of water = Ordinary (no protection) (5.5) Have not been evaluated for use in the presence of a flammable anaesthetic mixture with air, oxygen, or nitrous oxide. This evaluation is to be made on the end equipment by the OEM. (5.6) Mode of operation = Continuous</p>
---	---



SAFETY DECLARATION: SL Power Electronics, Corp. declares under our sole responsibility that all models listed above are in conformity with the applicable requirements of EN60950 following the provisions of the Low Voltage Directive 73/23/EEC.

GROUNDING: Protection Class I requires that the ground terminal be bonded to Protective Earth in the end application. Using this terminal for the primary system earthing terminal is not recommended.

OUTPUTS: It is recommended that the output common or return be connected to Protective Earth in the end application. The output is not acceptable for patient connection without additional isolation. The DC output is SELV under normal and single fault conditions.

OVERVOLTAGE PROTECTION: The output is monitored for an overvoltage condition. In some applications where an overvoltage condition could result in a hazard as defined in applicable safety standards, redundant or additional overvoltage protection may be required. Consult factory for details.






CAUTION: When performing Dielectric Strength Tests, catastrophic failure of the unit may result if a Dielectric Strength test voltage greater than 1800 V ac is applied between primary and secondary circuits. The components providing isolation from primary to secondary cannot be tested while installed in the power supply without overstressing basic (primary to ground) insulation. All isolating components are individually 100 % tested at 4800 V ac prior to installation.

GLD150 SERIES INSTALLATION INSTRUCTIONS

TEMPERATURES: The maximum operating temperatures of certain safety components, as defined in the applicable safety standards, must not be exceeded after installation to preserve the intended safety. The output power, ambient air temperature and the availability, amount, direction and/or restriction of airflow influence the temperatures of these components.

FUSING: Fuses for both Line and Neutral are provided in the power supply. A blown fuse is an indication of catastrophic failure of circuit component(s). Repair must be performed by Condor authorized personnel. Refer to fuse markings for type and rating.

WARNING! SHOCK HAZARD! Dangerous voltages are present on some components, printed wiring traces and heatsinks.

EXPLANATION OF SYMBOLS	
	Alternating Current
	Direct Current
	Attention, Consult Accompanying Documents
	Attention, Dangerous Voltages
	Earth (Ground)

CONNECTIONS

J1	AC Input	J2	Signal Out	J3	DC Output	FAN
1	Earth	1	Inhibit	1	Return	1 12 V (-)
3	AC Neutral	2	+ Sense	2	Return	2 12 V (+)
5	AC Line	3	Power Good	3	Output (+)	
		4	- Sense	4	Output (+)	
		5	Common	5	Return	
		6	Power Fail	6	Return	
				7	Output (+)	
				8	Output (+)	

MATING CONNECTORS

J1: Molex P/N 39-01-4051 (Housing)
Molex P/N 39-00-0038 (Pins)

J2 and FAN: Amp MTA-100 Receptacle

J3: Molex P/N 39-01-2080 (Housing)
Molex P/N 39-00-0182 (Pins)

CAUTION: Do not exceed 7 Amps per pin on connector J3

SL Power Electronics, Corp. will not be liable for the safety, reliability or performance of these power supplies if a) any changes, modifications or repairs are carried out by other than authorized agents of SL Power Electronics, Corp., or b) the installation of the supply is not in accordance with these installation instructions and the applicable UL, CSA, and EN/IEC safety standards.