



POWER ELECTRONICS
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 ISO 9001 CERTIFIED
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GSM15 SINGLE OUTPUT SERIES INSTALLATION INSTRUCTIONS

MODEL NUMBERS: GSM15-X-YYY G, where X equals 5, 12, 15, 24, or 28, -YYY is any number 000-999 which represents value added options not related to safety, and G which represents compliance to RoHS.

RATINGS:

Input: 100-240 V ac, 0.6 A, 50/60 Hz

Output:

Model	Volts	Amps Convection	Amps Peak or 150 LFM ³
GSM15-5	5.1	2.35	3.0
GSM15-12	12	1.25	1.5
GSM15-15	15	1.0	1.2
GSM15-24	24	0.625	0.75
GSM15-28	28	0.54	0.64

- Notes:
1. Maximum ambient temperature for rated output power is 50°C. Storage: -40 to +85 °C.
 2. Maximum Operating Relative Humidity 96%, no condensation.
 3. Peak power for 60 seconds, 10% duty cycle, no airflow or continuous rating with 150 LFM of airflow.

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

CLASSIFICATION:

- (5.1) Protection against electric shock = Class I or Class II
- (In accordance with sub- clause 5 of IEC 601-1) (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



SAFETY DECLARATION: SL Power Electronics Corp. declares under our sole responsibility that all models listed above are in conformity with the applicable requirements of EN60950-1 following the provisions of the Low Voltage Directive 73/23/EEC.

OUTPUTS: 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.

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GROUNDING, MOUNTING and ISOLATION: Safety grounding is not required. Grounding the supply will result in improved EMI performance and increased earth leakage current. For reduced earth leakage current, do not use earth ground connection. Request product specifications for details.

Grounding the unit is achieved by bonding the hole in the PWB near C4, identified by the Ground symbol, to earth with a wire soldered to the terminal. Alternatively, metal attaching hardware can be used.

For Class II operation (no earth connection), insulating type hardware must be used in the mounting hole near J1.

Creepage distances from Primary to Secondary are 8 mm and from Primary to Ground are 4 mm. Clearance distances from Primary to Secondary are 5 mm and Primary to ground are 2.5 mm. Secondary to Ground Creepage and Clearance distances are not controlled. These Creepage and Clearance distances must be maintained after installation to preserve their intended safety.







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: Fusing is provided on the Line side of the AC Input. A Neutral fuse must be added for medical use. 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 on unit for type and rating.

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

AGENCY MARKINGS: Agency marking will not be found on the power supply. They will be found on the shipping carton only.

EXPLANATION OF SYMBOLS

	Alternating Current		Attention, Dangerous Voltages
	Direct Current		Earth (Ground)
	Attention, Consult Accompanying Documents		Class II Equipment

CONNECTIONS

J1	AC Input
1	AC Line
4	AC Neutral

J2	DC Output
1, 2	Common
3, 4	+ Output

MATING CONNECTORS
J1, J2: AMP MTA-100 Receptacle

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.