

Operating instruction switching power supply GP-2xx M(S)TX(S)

- This Power Supply is for building in. Take care of requirements of DIN VDE 0805 (IEC 950, EN 60950), or DIN VDE 0750 (IEC 601-1, EN 60601-1). Most important are the leakage distances and clearances and the thickness of insulations. For installation only use screws with a maximum length of 15 mm. Screw holes are marked with “A“ in the enclosed **figure A**.
- The Power Supply is according to protection class I. The protective earth is connected direct to the metal enclosure. If built in, make sure that the enclosure is fixed with the equipment sufficient.
- The ambient temperature of the power supply is max. up to 50 °C. Please note the derating in the enclosed **figure B**.
- Disconnecting from mains by pulling off the mains power cord or the mains plug.
- If the Power Supply built in an appliance or case, take care of free air circulation around the opening of the Power Supply enclosure and protection against touching of the built in fan.
- The leakage current may **not** exceed **0,5 mA (500µA)** according DIN VDE 0750 (IEC601-1, EN 60601-1) and **3,5 mA** according DIN VDE 0805 (IEC 950, EN 60950).
- In case of fault please replace fuses against following types:
Wickmann 19 181 / T6,3 AH / 250V or Bussmann (Cooper) S505 / T6,3 AH / 250V or Littlefuse 215 / T6,3 AH / 250V.
Replace of fuses only by authorized services personnel.
- **Caution! Double Pole / Neutral Fusing.**
- Please take care that during operation the DC outputs may not be overloaded.

- DC Output voltages and color coding for **235 VA Power Supplies:**
Output + 3,3 VDC and + 5 VDC max. load 135 Watt.

| | | | | | | | |
|------------------|---------|-------|--------|--------|--------|-------|---------|
| Voltage | + 3,3 V | + 5 V | + 12 V | ground | - 12 V | - 5 V | + 5 Vsb |
| Current | 14 A | 23 A | 12 A | ----- | 0,8 A | 0,5 A | 2,5 A |
| Colorcode | orange | red | yellow | black | blue | white | purple |

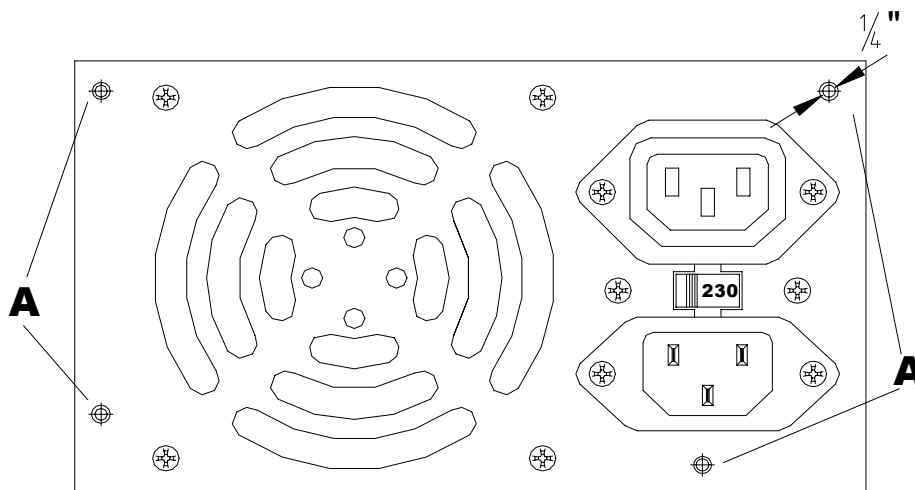
- DC Output voltages and color coding for **250 VA Power Supplies:**
Output + 3,3 VDC and + 5 VDC max. load 150 Watt.

| | | | | | | | |
|------------------|---------|-------|--------|--------|--------|-------|---------|
| Voltage | + 3,3 V | + 5 V | + 12 V | ground | - 12 V | - 5 V | + 5 Vsb |
| Current | 16 A | 25 A | 13 A | ----- | 0,8 A | 0,5 A | 2,5 A |
| Colorcode | orange | red | yellow | black | blue | white | purple |

- Selectable by an integrated select switch this Power Supply is for operating with AC 100-120 V / 8 A / 47-63 Hz (corresponds to the switch position AC 115 V) **or** AC 200-240 V / 5 A / 47-63 Hz (corresponds to the switch position AC 230 V).
- If the Power Supply used in applications according DIN VDE 0750 (IEC 601-1, EN 60601-1), be sure, that the secondary outputs of the units will **not** be used for direct contacts to the patient.
- This unit need **no** maintenance. If damaged do **not** open.
- Defect units send to the address below.

GRZELKA Elektronik GmbH
 Service Abteilung
 An der Wolfskaul 19
 D-41812 Erkelenz
 -- Germany --

- **Figure A** Fixing points are marked with "A".



- **Figure B**

