

**SPA2060**  
2 x 60W amplifier

100V Two channels amplifiers

**SPA2120**  
2 x 120W amplifier

**SPA2240**  
2 x 240W amplifier

**PUBLIC ADDRESS - VOICE ALARM**



*The SPA (Security Power Amplifier) is designed for perfect integration into the SINAPS system, but thanks to its flexibility, it can also be used for any Public Address application.*

The SPA amplifiers were specifically developed to meet the requirements of EN60849 for safety installations. Each amplifier module is fitted with its own 220VAC/24VDC power supply for increased system reliability. To avoid handling errors, the volume output is set using the potentiometer located at the back of the apparatus. Further to standard protection via fuses, SPA amplifiers also have electronic and thermal protection to protect them from all potential hazards.

A ventilator provides forced cooling for the final power shelves and internal parts of the apparatus. It starts up automatically when the heat shunt reaches a certain temperature threshold, and stops when the temperature returns to normal values.

Four LEDs display the status of each amplifiers: AC or DC power supply, Line Overload and Temperature overload. Furthermore, a three LEDs Vu-Meter indicates the presence and level of audio signal.

A surveillance circuitry is continuously monitoring the temperature and the presence of AC and DC power supplies for both amplifiers. In case of a problem, the overload LEDs will be switched ON and the Fault relay will be activated.

**MAIN PROPERTIES**

- 2 x 60W, 2 x 120W and 2 x 240W
- Balanced 0db inputs
- 100V outputs
- Thermostatic ventilation
- Power supply internal surveillance
- 230VAC and 24VDC power supply
- "Amplifier status" contact output
- Connexions on detachable screw-on terminal boards

# SPA2060

2 x 60W amplifier

# SPA2120

2 x 120W amplifier

# SPA2240

2 x 240W amplifier



## TECHNICAL PROPERTIES

|                   |   |
|-------------------|---|
| Audio             | Frequency response: 40 - 20 000Hz<br>Distortion at nominal power: < 1%<br>Signal/noise ratio: > 90dB  |
| Inputs/Outputs    | Power output: 100V<br>Main line input: 770 mV<br>Input impedance: 20KOhms   |
| Dimensions/Weight | Size SPA2060, SPA2120 (LxHxD):483x88x305 mm<br>Size SPA 2240 (LxHxD): 483 x 88 x 420mm<br>Weight: SPA2060 : 10.6Kg - SPA2120 :12.3Kg - SPA2240W: 18.5kg |
| Power supply      | Mains power supply: 230V +/- 10% 50/60Hz<br>Continuous external power supply: 21-28V  |

|                   |   | Current consumption with 28VDC supply (per channel) |                                   |   |                          |               |
|-------------------|---|---|-----------------------------------|---|--------------------------|---------------|
|                   |   | Standby   | 1/8 Nominal Power (Audio Message) | 1/4 Nominal Power (50%Message, 50%Sirene) | 1/2 Nominal Power Sirene | Nominal Power |
| Power Consumption | SPA 2060  | 0.19A   | 1.5A                              | 1.8A                                      | 2.75A                    | 3.2A          |
|                   | SPA 2120  | 0.25A   | 2.9A                              | 3.9A                                      | 5.5A                     | 6.4A          |
|                   | SPA 2240  | 0.30A   | 5.47A                             | 7.5A                                      | 10.4A                    | 12.3A         |
|                   | Current consumption with 230AC supply (per channel) |   |                                   |   |                          |               |
|                   | SPA 2060  | 0.07A   | 0.32A                             | 0.42A                                     | 0.53A                    | 0.67A         |
|                   | SPA 2120  | 0.12A   | 0.65A                             | 0.89A                                     | 1.15A                    | 1.4A          |
|                   | SPA 2240  | 0.28A   | 1.25A                             | 1.65A                                     | 2.20A                    | 2.85A         |