



# PM-4

## PREVIOUS AMPLI. FOR GENERAL PURPOSES.

The PM-4 circuit is a mono previous amplifier for general purposes. Specially indicated for applications requiring a high quality and small space. It includes a potentiometer for the gain adjustment as well as a protection against polarity inversion.

### TECHNICAL CHARACTERISTICS.

Voltage. ....	From 6 up to 18 V. D.C.
Minimum Consumption. ....	2 mA.
Maximum Consumption. ....	10 mA.
Minimum Signal Input. ....	5 mV.
Maximum Signal Input. ....	300 mV.
Maximum Signal Output. ....	2 V.
Input Impedance. ....	10 K .
Output Impedance. ....	1 K .
Frequencies Margin. ....	30 - 17.000 Hz.
Signal/Noise Relation. ....	80 dB.
Maximum Distorsion. ....	0,05 %.
Protection Against Polarity Inversions. ....	Yes.
Sizes. ....	50 x 35 x 20 mm.

### OPERATING.

**POWER SUPPLY.** The PM-4 module required between 6 and 18 V.D.C. Perfectly stabilized to damage the module. Then we recommended you the FE-2 power supply which has been developed to perfectly answer to the circuit needs. Connect the positive of the power supply to the positive terminal indicated in the wiring map, then connect also the negative of the power supply to the negative terminal indicated in the circuit. **Verify** that the assembly has been correctly done. Do not activate the switch before reading the rest of the instruction manual. To obtain a correct operating mode, we suggest you to isolate it from mains parasites installing a Mains Filter between the 230 V. Input and transformer.

**INPUT SIGNAL.** Connect input signal to the terminals indicated as input in the General Wiring Map. For the installation, the distance between the sound source and the PM-4 module had to be as short as possible (inferior than 30 cm). More you have to use a low frequency shielded cable. Input signal could be supplied by auxiliary source, mixer desks, etc ... but it had to be inferior than 300 mV. As maximum level.

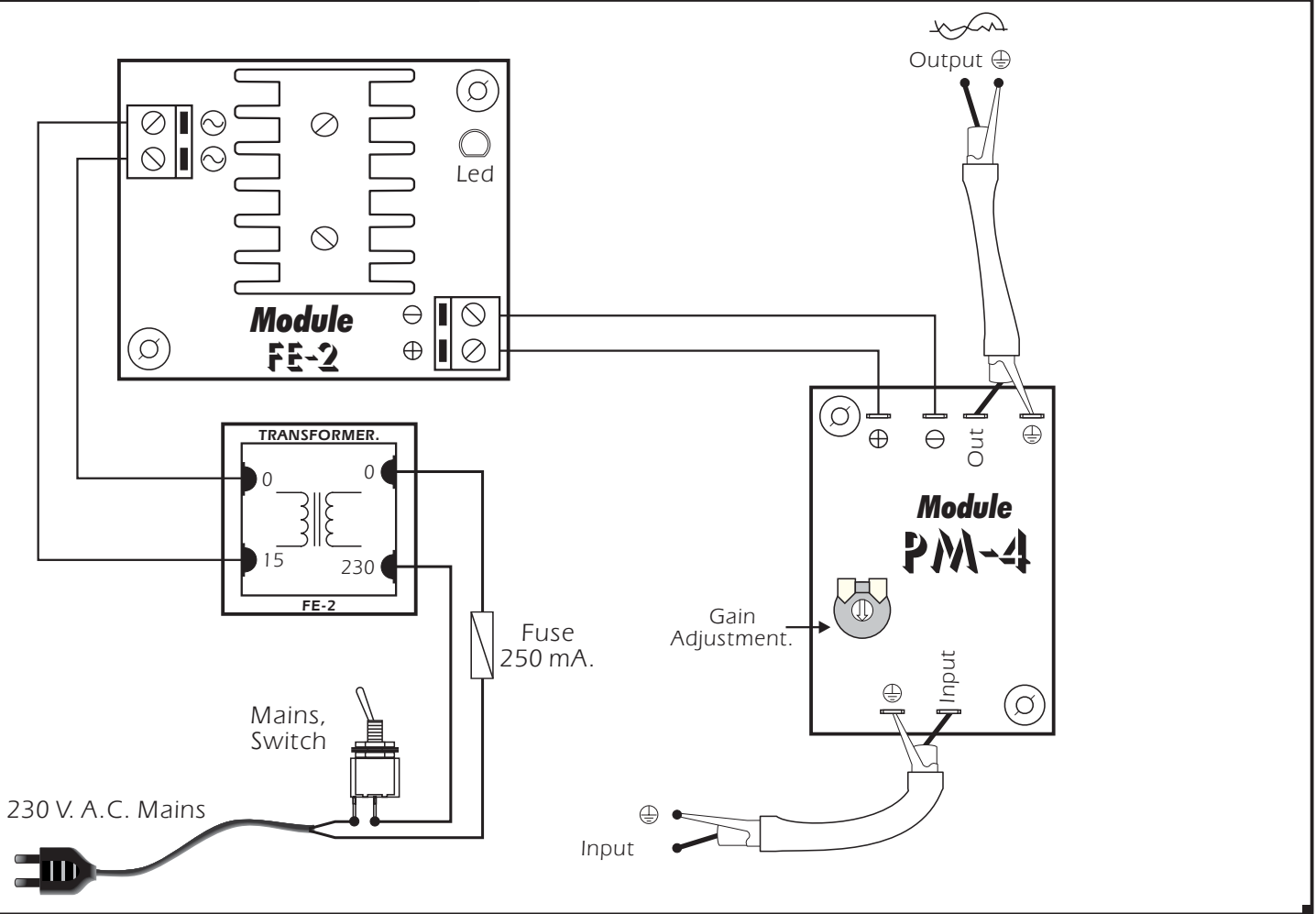
**OUTPUT SIGNAL.** Connect output terminals of the PM-4 module and destined device or apparatus. For the installation, the used cable had to be as short as possible (50 cm as maximum length) and a low frequency shielded cable.

**GAING ADJUSTMENT.** After connecting output and input, you have to connect the power supply and adjust the module's gain thanks to the indicated potentiometer.

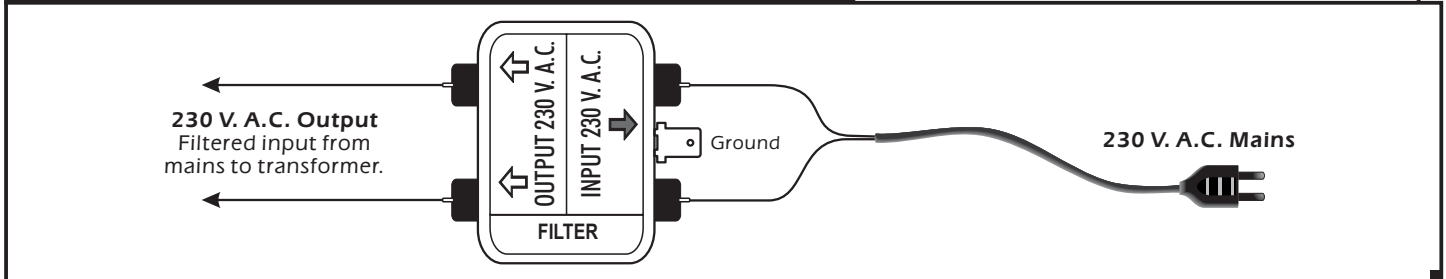
**INSTALLATION.** For all connections you have to use shielded cable and connect the ground of the circuit to the chassis of the enclosure, maintaining a minimum distance with others modules as power stages dissipating high heat. Install the module into a metallic enclosure with ventilation grille.



## GENERAL WIRING MAP.



## HOW TO CONNECT THE MAINS FILTER.



## TECHNICAL SUPPORT AND INFORMATION.

For any questions or more information:

- By Fax: (24 H.) +34.934.322.995

- By E-Mail: [cebek@cebek.com](mailto:cebek@cebek.com)

- **Keep you invoice.** For any repairing could you send this with module. Else, the module willlost the warranty.

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**WARRANTY**

**3  
YEARS**