



E-5

25 W. HI-FI POWER STAGE.

The E-5 module is a Hi-Fi power stage with direct connection, without output capacitor. It could offer 25 W. as maximum power. Its main characteristic is its high quality as well as its reduced distortion. It includes protection against output short-circuits and connection terminals.

Because all the following information is very important to obtain a correct module operating, we recommend you to completely read the instruction manual.

TECHNICAL CHARACTERISTICS.

Symmetrical voltage	± 42 VDC.
Minimum Consumption	25 mA.
Maximum Consumption	1 A.
Input Sensitivity	700 mV.
Input Impedance	47 K Ω .
Output Impedance	4 - 8 Ω .
Frequencies Margin	20 - 20 000 Hz.
Distorsion at 1 W.	0,01 %
Distorsion at Maximum Power	1 %
R.M.S Power	25 W.
Musical Power	36,5 W.
Sizes	112 x 70 x 38 mm.

OPERATING.

MODULE'S SUPPLYING. The E-5 module had to be supplied by symmetrical voltage ± 42 VDC, correctly stabilised, for this reason we suggest you to not use simple supply equipment neither rectifiers, which could negatively affect the module's operating, but a power supply.

We recommended you the FS-5 power supply which has been developed to perfectly answer to the circuit needs. Connect the positive, the negative and zero of the power supply to the corresponding terminals indicated in the schedule. The distance between power supply and module have to be as short as possible (15 cm as maximum.) Verify that the assembly has been correctly done.

To obtain a correct module's operating we suggest you to protect it against mains interference, to do that you have to place between the mains and the transformer a filter (See the paragraph "Installation of the Filter").

OPERATING. See the paragraph "General wiring map". When the connections of the power supply are made, install a loudspeaker to the indicated terminal. The loudspeaker must be 25 W (as minimum). Nevertheless, we suggest you to place a loudspeaker with 30 W. (as minimum power). If you use quality loudspeaker, you could highly appreciate the assembly.

INPUT SIGNAL. The input signal could be supplied by auxiliary devices as mixing desk, etc... but this input could not exceed 700 mV. Connect input terminals indicated in the schedule, and the distance between module (power stage) and its signal supply, has to be as short as possible. Use shielded cable for this assembly.

PROTECTION AGAINST SHORT-CIRCUITS. The protection against output short-circuits is only 30 sec. This time is enough to allow you to disconnect the power stage. If this time is higher, loudspeakers of the module could be damaged.

INSTALLATION. It is obligatory to install the power stage in vertical position, to avoid to damage the operating and/or the module. To install the power stage, we suggest you to fit it into a metallic box. This last has to be enough stronger to include module and its power supply as well as well ventilated. Indeed, during its operating the module will heat. Connect the ground to the box chassis.

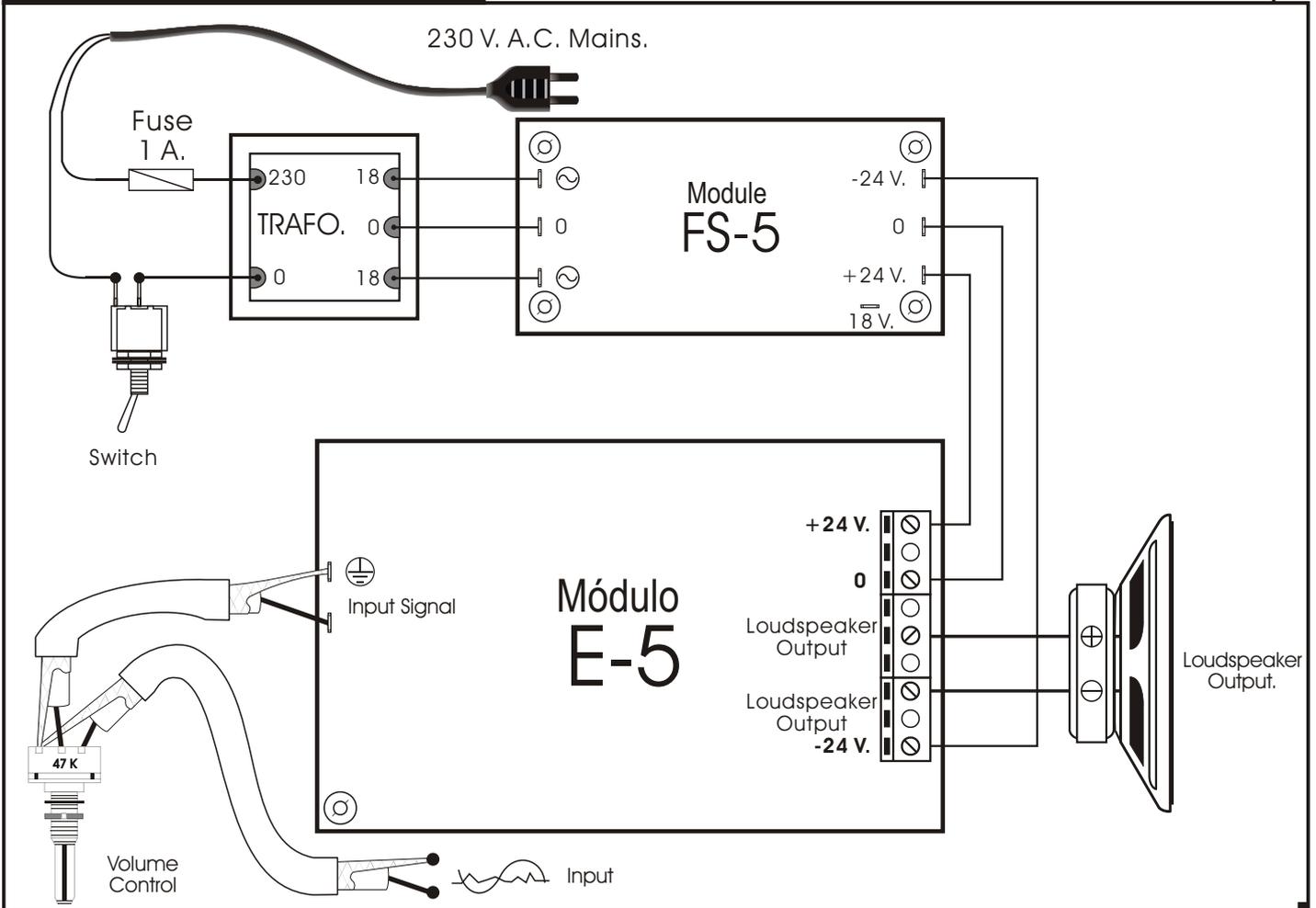


POWER STAGES.

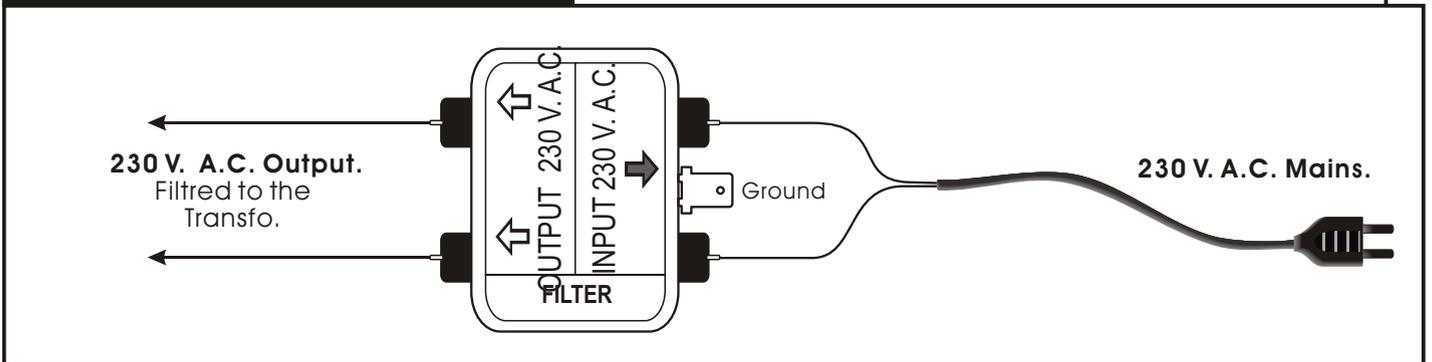
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E-5

GENERAL WIRING MAP.



INSTALLATION OF FILTER.



TECHNICAL SUPPORT AND INFORMATION.

For any questions or more information: **By Fax.** (24h.) +34.3. 432.29.95 **By E-Mail:** cebek@sakma.es

By Mail: C/ Quetzal, 17-21, Entlo. 2º (08014) BARCELONA - SPAIN.

Keep you invoice. For any repairing could you send this with module. Else, the module will lost the warranty.

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WARRANTY

3 YEARS