



FE-13

5A. 12 VDC POWER SUPPLY.

The FE-13 module is 12 V. D.C. power supply perfectly stabilised with the possibility to short-circuit it and offering 5A. as maximum output intensity.

Possibility to adjust the voltage between 10 and 15V. D.C.

It include connection terminals to facilitate the assembly and operating indicator led.

It also supplied with the corresponding transformer...Included on the price.

Don't forget to read all the information mentioned hereafter to obtain a perfect operating of the module.

TECHNICAL CHARACTERISTICS.

- Input Voltage	220 V. A.C.
- Output Voltage	12 V. D.C.
- Output Voltage Adjustment	Between 10 and 15 V. D.C.
- Maximum Constant Output Intensity	3,5 A.
- Maximum Intensity	5 A.
- Maximum Ripple With Load	7 mV.
- Answer Time For An Output Short-Circuit (With Load)	0,2 Sec.
- Time To Recuperate Vo. After a Short-Circuit (With Load)	10 Sec.
- FE-12 Module's Sizes	110 x 80 x 55 mm.

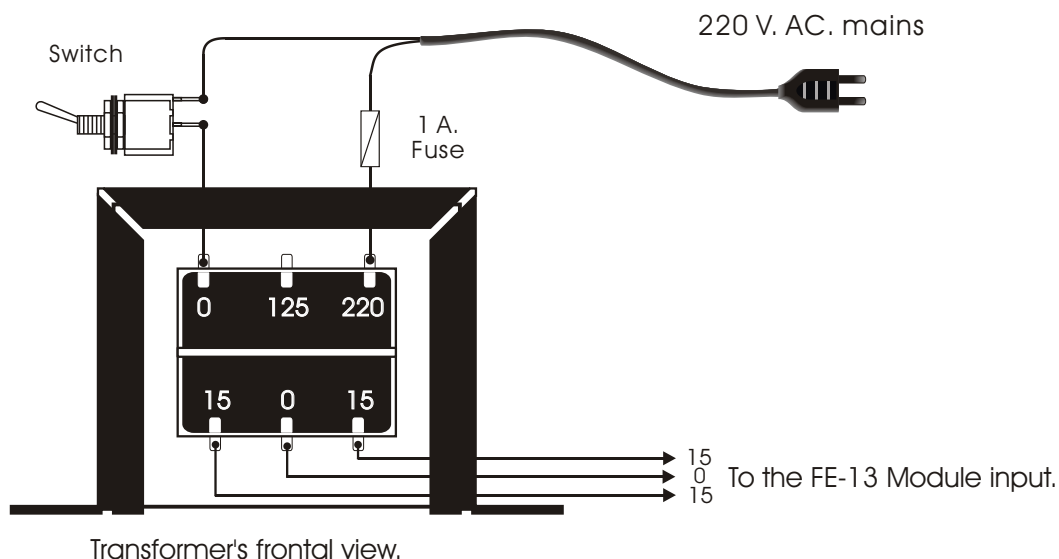
OPERATING MODE.

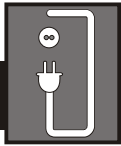
TRANSFORMER'S CONNECTION. If you observe the transformer, you could note that there are 6 terminals or pins, 3 in the superior part with the indication 0, 125, 220 corresponding to the input voltage (coming from the mains) and 3 in the inferior part with the indication 15, 0 and 15, corresponding to the output voltage, which must be connected to the module (PCB).

Connect cables of the mains input (230 VAC) to the pins placed in the superior part of the transformer and indicated as 0 and 230 without taking account the central pin indicated as 125. See the transformer's wiring map hereafter.

Install a 1A. fuse and a switch as indicated in the wiring map. Both are necessary and obligatory to obtain a correct protection for the module and yourselves, as it is indicated on th CE rule.

TRANSFORMER'S WIRING MAP.





OPERATING MODE.

MODULE'S CONNECTION. Once the transformer's connection done, follow with the module's connection. Firstly, verify that the 230 V. A.C. from the mains are not present.

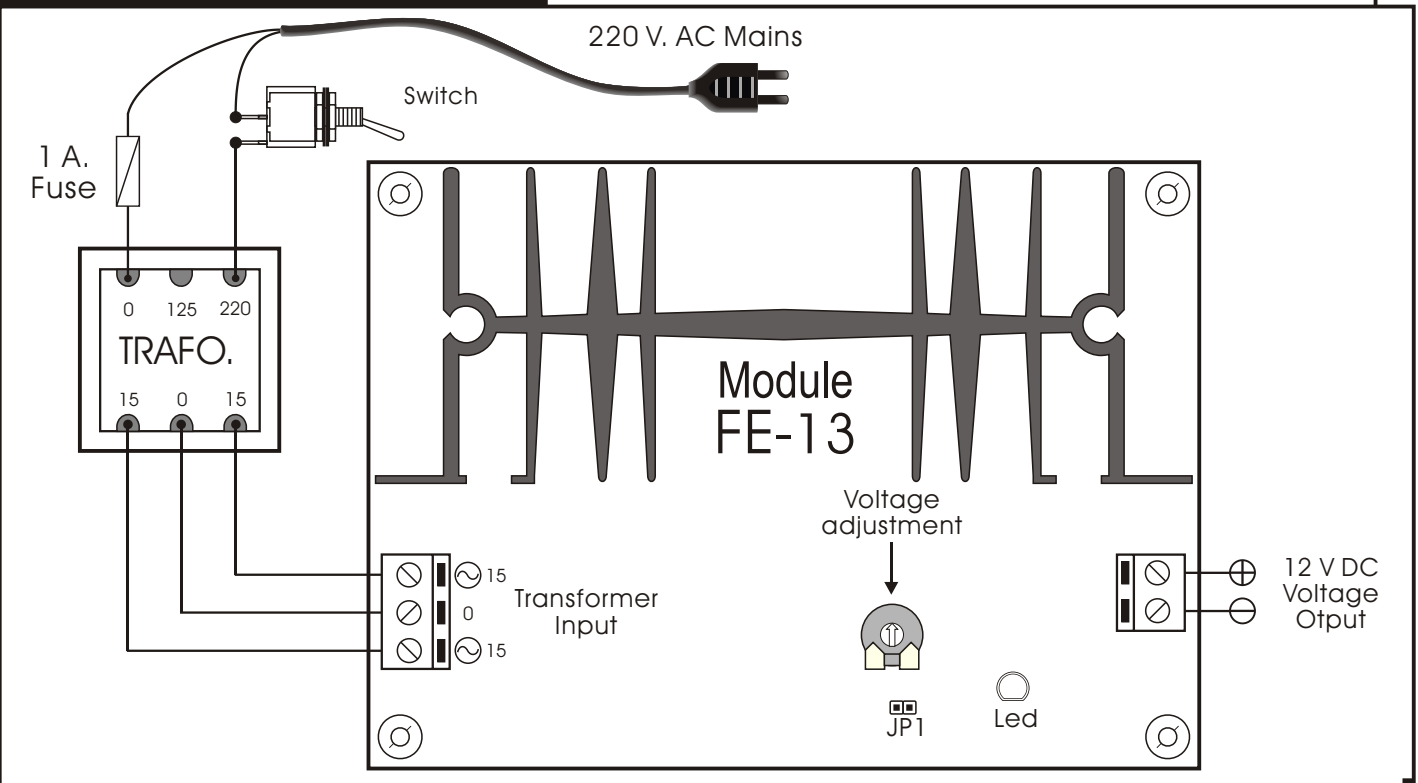
Connect 3 transformer's terminals placed in the inferior part to the 3 input module's terminals and according the general wiring map each indication had to be correspond (15, 0 and 15).

Press the switch and the led will light indicating that the FE-13 power supply is operating. Then you had to adjust the output voltage using a variable resistor up to obtain the wished value.

EXTERIOR INSTALLATION OF THE ADJUSTMENT POTENTIOMETER. If you wish to change the variable resistor inserted in the PCB by an exterior potentiometer, you had to firstly withdraw the resistor present in the PCB. Then in accordance with the drawing, you had to place cable from the JP1 jumper up to the new potentiometer. The used transformer had to be lineal and with 470 Ohms.

DO NOT FORGET. Our FE-13 power supply has a protection against short-circuit, nevertheless the maximum time to act is 3 min. For this reason when this protection will act, you had to disconnect the supplied apparatus and to get cooler the power supply during minimum 1 minute. Install our FE-13 module in a metallic box well ventilated.

GENERAL WIRING MAP.



TECHNICAL SUPPORT AND INFORMATION.

For any questions or more information:

By Fax. (24h.) +34.93.432.29.95 **By Mail:** C/ Quetzal, 17-21, Entlo. 2º (08014) BARCELONA - SPAIN.

By E-Mail: sat@cebek.com

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

WARRANTY

3 YEARS

All the module's CEBEK have **3 years of total warranty** in thechnical repairing, and spares from the date of buy. CEBEK is trade make of FADISEL S.L. more than 300 module's are available in stock for any purpose **request our CATALOGUE**, or visit our Web site www.cebek.com

MORE 300 MODULES.