



# FE-15

## 5A. 24 V. D.C. POWER SUPPLY

The FE-15 module is 24 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 18 and 30 V. D.C.

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

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

### TECHNICAL CHARACTERISTICS.

- Input Voltage .....	230 V. A.C.
- Output Voltage .....	24 V. D.C.
- Output Voltage Adjustment .....	Between 19 and 30 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-15 Module's Sizes .....	110 x 80 x 55 mm.
- Transformer's Sizes .....	96 x 90 x 82 mm.

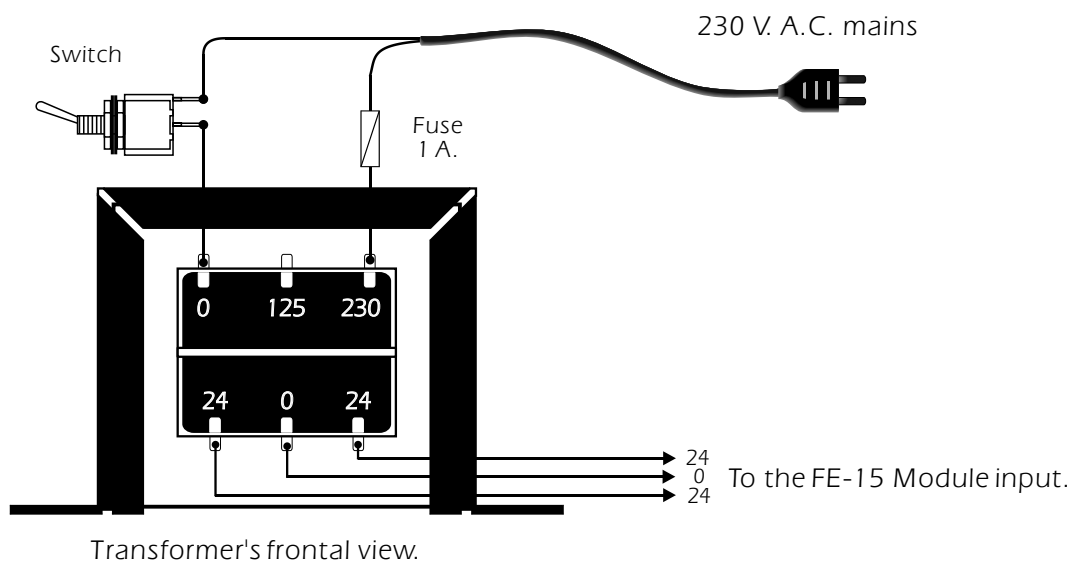
### OPERATING.

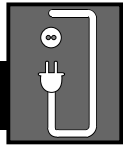
**TRANSFORMER'S CONNECTION.** If you observe the transformer, you could note that there are 6 terminals or pins, 3 in the superior part with the indication 0, 125, 230 corresponding to the input voltage (coming from the mains) and 3 in the inferior part with the indication 24, 0 and 24, corresponding to the output voltage, which must be connected to the module (PCB).

Connect cables of the mains input (230 V. A.C.) 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 use of the module and guarantee your own security as it is required by the "CE" regulations.

### TRANSFORMER'S WIRING MAP.





# POWER SUPPLIES

Ref. Full9811\_Ang.

# FE-15

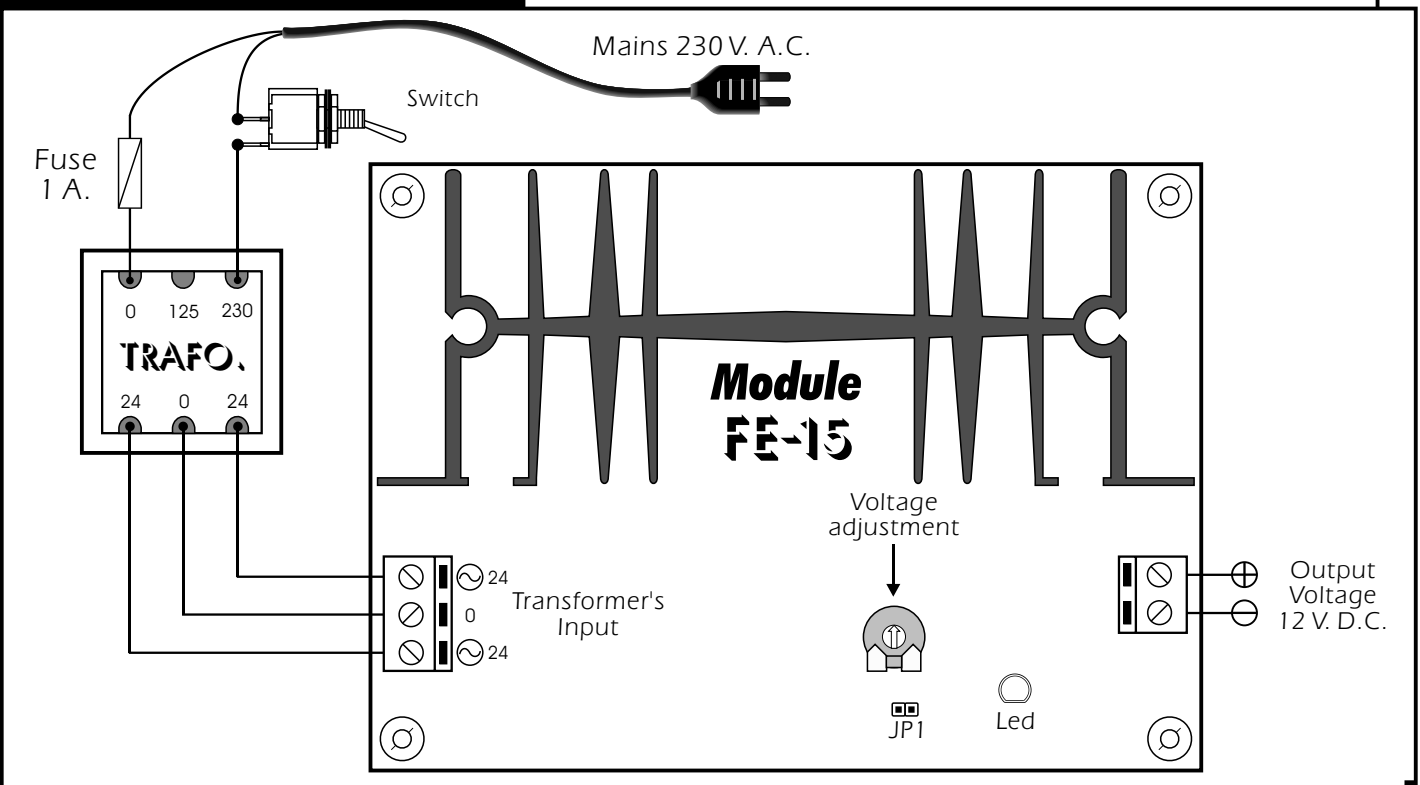
## OPERATING.

**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 (24, 0 and 24). Press the switch and the led will light indicating that the FE-15 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 1K .

**DO NOT FORGET:** Our FE-15 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-15 module in a metallic box well ventilated.

## GENERAL WIRING MAP.



## TECHNICAL SUPPORT AND INFORMATION.

For any questions or more information:

**By Fax.** (24h.) +34.3. 432.29.95

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

**By E-Mail:** [cebek@sakma.es](mailto:cebek@sakma.es)

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

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YEARS**