



# FE-78

## 3 - 15 V. / 2 A. VARIABLE POWER SUPPLY

The FE-78 module is a 3- 15 V. DC power supply perfectly stabilized with the possibility to short-circuit it and offering 2A. as maximum output intensity.

It include connection terminals to facilitate the assembly and Protection against polarity inversion.

Transformer is supplied and included in the end-user price.

**Do not forget to read all the information mentioned hereafter to obtain a perfect operating of the module.**

### TECHNICAL CHARACTERISTICS.

- Input Voltage. ....230 V. AC
- Output Voltage. ....From 3 up to 15 V. DC.
- Maximum constant output intensity. ....1.5 A.
- Maximum Intensity. ....2 A.
- Maximum Ripple with Load. ....10 mV.
- Protection against polarity inversion. ....Yes.
- FE-78 module's sizes. ....110 x 80 x 45 mm.

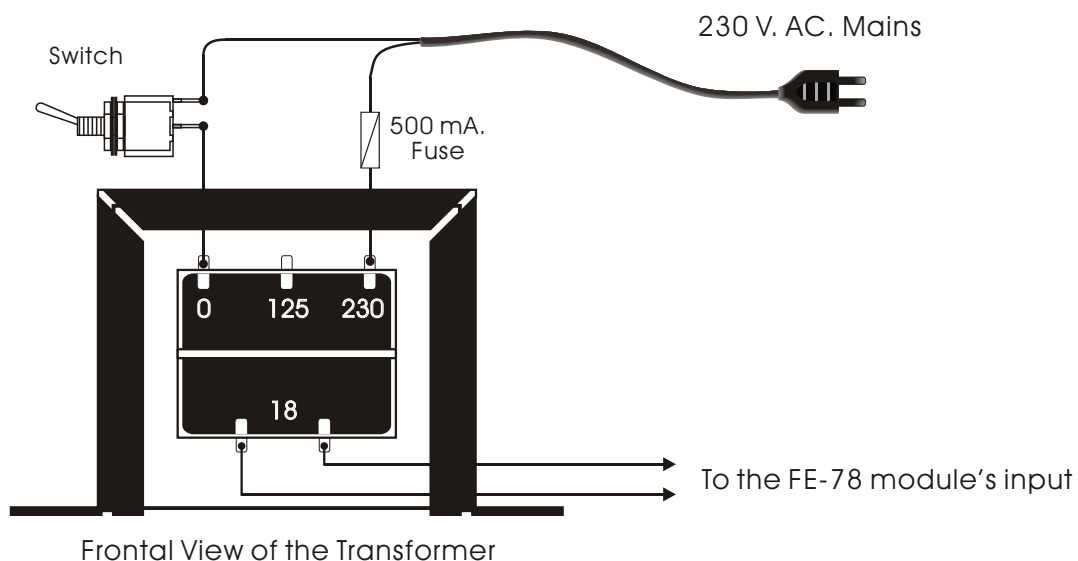
### OPERATING.

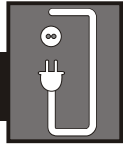
**TRANSFORMER'S CONNECTION.** If you observe the transformer, you could note that there are 5 terminals or pins: 3 in the superior part with the indication 0, 125 & 230 V A.C corresponding to the input voltage (coming from the mains) and 2 in the inferior part with the indication 18 V D.C, corresponding to the output voltage, which must be connected to the module. Connect both input mains cables (230 V AC) to the superior terminals indicated as 0 and 230. Don't connect the central terminal.

Connect both cables from the mains input (230 V A.C) to the superior terminals indicated as 0 & 230. (See the General Wiring Map). For your own security and according to the "CE" regulation, we recommend you to install a 500 mA Fuse and a Switch as it is indicated in the drawing.

Then, verify that the assembly had been correctly done.

### TRANSFORMER'S CONNECTION.





# POWER SUPPLY

Ref. FULL9710

# FE-78

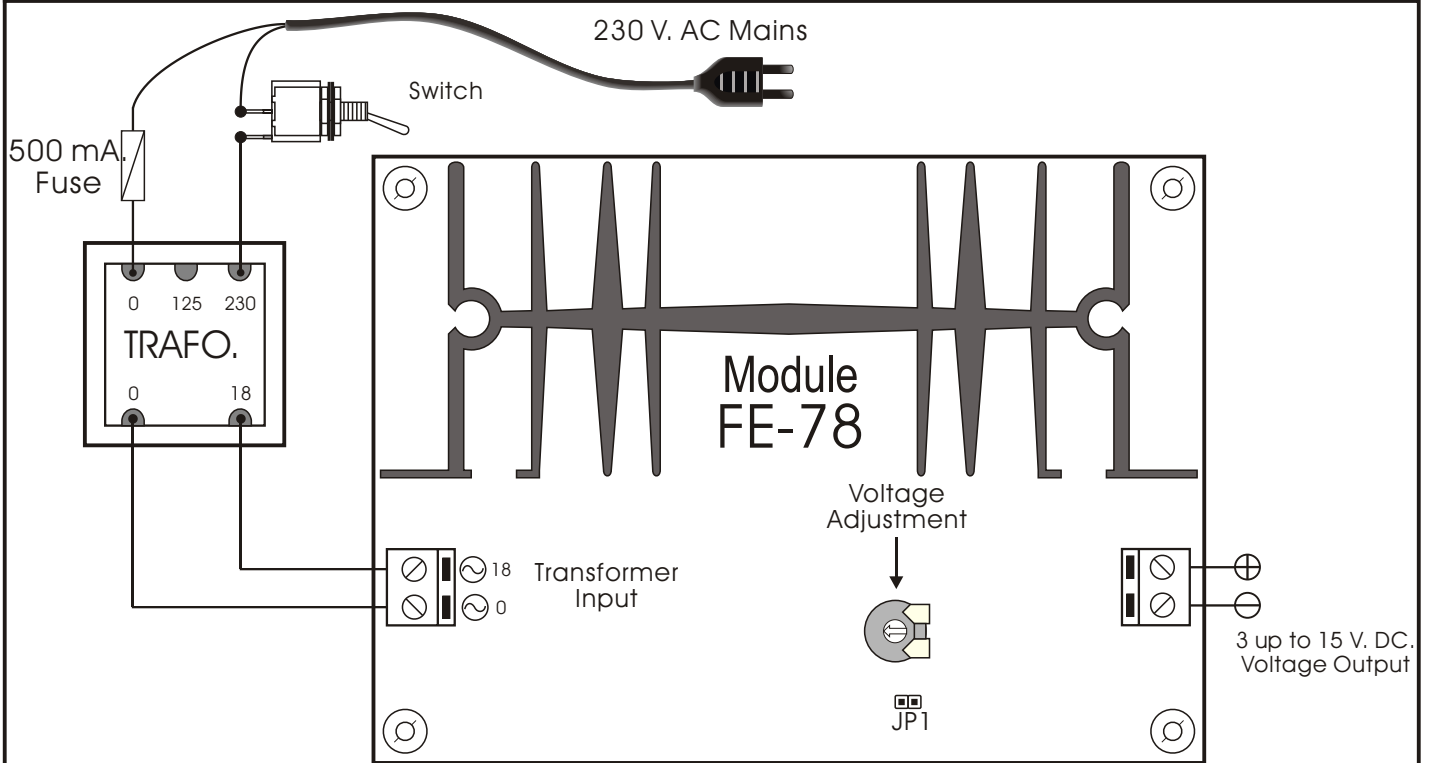
## OPERATING.

**MODULE'S CONNECTION.** Once the transformer's connection done, you have to verify that the module is not supplied by 220 V A.C. Connect two inferior terminals to the input module's terminals as it is indicated in the General Wiring Map. Connect module's negative and positive outputs to the corresponding device's inputs that you wish to supply. Then you have to activate the switch and to adjust the output voltage according to your needs thanks to the variable resistor.

**INSTALLATION OF THE EXTERNAL POTENTIOMETER.** If you wish to remove the variable resistor inserted on the PCB and install an external potentiometer, you have to firstly desold the resistor from the circuit. Then, and as it is indicated on the schedule, you have to connect two cables between the JP1 jumper and the new potentiometer. This potentiometer has to be a 4,7 KW lineal potentiometer.

**DO NOT FORGET.** Our FE-78 power supply has a protection against short-circuit, nevertheless the maximum time to act is 30 sec. For this reason when this protection will act, you have to disconnect the supplied apparatus and to get cooler the power supply during minimum 1 minute. Install the module in a box well

## GENERAL WIRING MAP.



## TECHNICAL CONSULTATIONS.

If you have any doubt, you could contact your wholesaler or our Technical Department.

- By E-Mail, [sat@cebek.com](mailto:sat@cebek.com) | by mail P.O Box 23455 - 08080 BARCELONA - SPAIN.

- **Keep the invoice of this module.** For any repair, the corresponding invoice had to be added. If the invoice is not presented together with this module, the module's warranty will be automatically cancelled.

All the module's CEBEK have **3 years of total warranty** in technical

**MORE 300  
MODULES.**

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. [Http://www.cebek.com](http://www.cebek.com)

**WARRANTY**

**3  
YEARS**