



# cebek<sup>®</sup>

## 130 mA./12V. DC. POWER SUPPLY FE-103



### TECNHICAL CHARACTERISTICS

Input Voltage.....	230V AC.
Maximum constant Output Intensity.....	130 mA at 12V DC
Maximum Ripple with load.....	5 mV
Output Voltage.....	12V.D.C.,(10-15V DC
Answer time against an output short-circuit (With load).....	0.3seg.
Recovering time of Vo after a short-circuit (With load).....	1,5seg.
Fuse. ....	100mA.
Sizes.....	72x53,75x30mm.

The FE-103 is a power supply completely short-circuit, including in the same board transformer and module of voltage rectification and regulation.

It allows avoltage adjustment between10 and 15 V.D.C.

It includes a fuse holder and a led to indicate the operating mode.

It can be adapted to Rail-Din ref. C-7563.

### INSTALLATION

**INPUT INSTALLATION** : The FE-103 had to be supplied by 230V.A.C. See the General Wiring Map. Using an adequate plug and acable for mains connect this last one to the "INPUT" terminal 230 V.A.C. Installa fuse and a switch as it is indicated in General Wiring Map( see hereafter). Both are necessary to protect the module and for your own security, as it is indicated in EEC regulations. Then, verify that you have correctly connected the module.

Before to connect the module to the mains inserting voltage, please do the rest of connections specified hereafter

**Do not forget that in several part of the module there is voltage (230V.A.C), for this reason we suggest you to be careful**

**OUTPUT INSTALLATION** Once the input installation done, verify that there is no voltage 230V. From the mains Through the circuit ,then you can process with the output installation.

**Respecting the polarety** of the power supply, you have to connect it to the device that you wish to control.

Remember that the module supply a maximum of 2,4V.A. If you try to supply a device with a consumption superior than the power supply one,"it will fall", decreasing the voltage output.

Install the power supply into a metallic enclosure correctly ventilated.

**NOTE** : Connections indicated as 230V.A.C. in the wiring map or in the text, have to be connected to110 V.A.C. In Americans countries. Cebek's Modules and/or transformers will be supplied with corresponding modifications for their connection in these countries.

### OPERATING

**OPERATING AND REGULATION MODES** : Once the installation done, you could switch on, activating the power Supply. The Led will light to indicate that the circuit is operating. If you deactivate the power supply o there is a short-circuit, the Led will light off.

The module allows to adjust the output voltage between 10 and 15V.D.C., to select the wished value, you have to adjust the variable resistor inserted on the circuit and indicated as "ADJUST".

**FUSE REMOVE** : If you have to substitute the fuse, firstly you have to deactivate the power supply. Remove the protector and substitute it by a 100 mA fuse. Finally install again the protector

**DO NOT FORGET** : The power supply had a protection against short-circuits, nevertheless the maximum time to act is 30 seconds, for this reason when this protection will be activated you have to disconnect the supplied device and leave cold the power supply during a minimum time of 1 minute.

### GENERAL WIRING MAP

