



VOX CONTROL WITH MICROPHONE PM-14



TECHNICAL CHARACTERISTICS

Voltage.	12 V. D.C.
Minimum Consumption.	2 mA.
Maximum Consumption.	60 mA.
Frequencies margin.	30 - 17.000 Hz.
Protection against Inversion Polarity (P.I.P).	Yes.
Sizes.	77 x 43 x 30 mm.

The PM-14 module is a switch activated by sound with an incorporated microphone. When the module receives a signal it connect the relay output, durin gall receiving the time. It includes adjustment potentiometer, indicator Led, microphone and connection terminals.

POWER SUPPLY AND INSTALATION

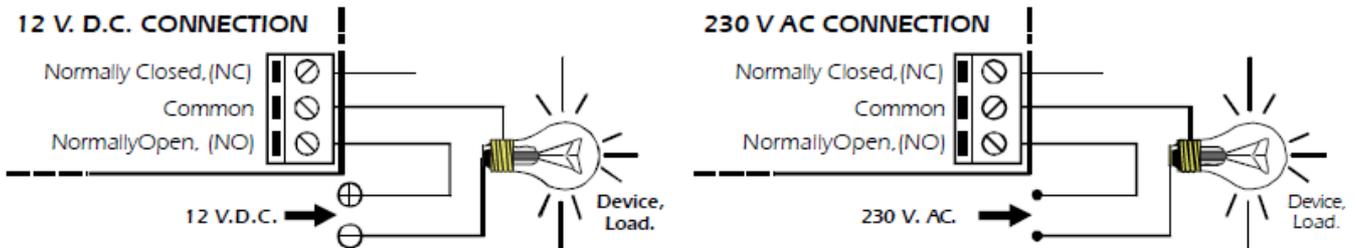
POWER SUPPLY : The PM-14 circuit had to be supplied by a 12 VDC power supply correctly filtered. We recommend you to use the FE-2 power supply which has been developed to perfectly answer to the circuit needs. Install a fuse and a switch as it is indicated on the schedule. Both are necessary for the module's protection as well as for your own safety, as its required by the "CE" regulations. Connect the positive and the negative of the power supply to the respective positive and negative terminals of the module, indicated in the wiring map. The distance between the power supply and the module has to be as short as possible. Verify that the assembly is correct.

NOTE : Connections indicated as 230 VAC in the wiring map have to be connected to 110 VAC. in Americans countries. Cebelek's Modules and/or transformers will be supplied with corresponding modifications for their connection in these countries.

OUTPUT CONNECTION LOAD : The PM-14 output is controlled by a relay, and accept any device up to 5 A. The relay is not a component supplying voltage but its function is limited to accept or deny the voltage passage like a standard switch. For this reason, you have to supply the load through this component.

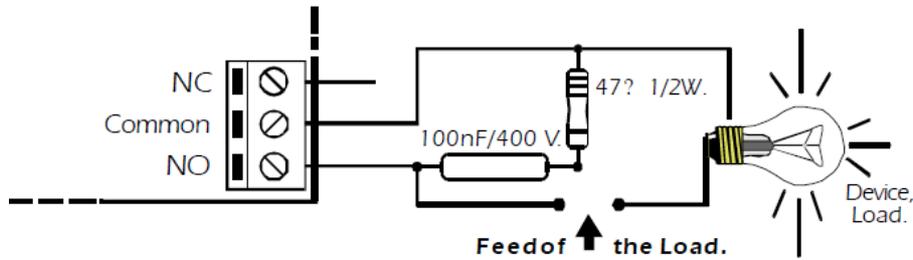
The relay has three output terminals: The normally open quiescent (NO), the normally closed quiescent (NC) and the common. Install it between the Common and the NO in accordance with the schedule "Output Connection. Load".

For the inverse function you have to place the load between the NC and Common.



INFORMATION ABOUT THE OUTPUT : During the operating mode and according to its load, it could happen a fluctuation or incorrect working of the output.

In such case, you have to install an anti-spark circuit between both contacts of the used relay, as it is indicated on the schedule



INSTALLATION. Install this module into a metallic enclosure correctly ventilated. Connect the ground of the circuit to the chassis of the enclosure and keep enough distance with others modules

OPERATING MODE. Once the installation done, you could activate the Vox Control module. Each time you supply the module, the relay will be momentary connected. This activation could not be eliminated because it is necessary for the modules starting. After activating the module, each time the microphone will receive (catch) a signal it connect the output, maintain this state during the signal reception. If you wish to adjust the module's sensitivity to allow the PM-14 module be activated from a determined signal level, you have to adjust it using the potentiometer indicated on the General Wiring Map.

IMPORTANT : The union cable between microphone and circuit could be cut, extended, or changed. If you don't respect this point, the module could be damaged and the warranty will be automatically cancelled.

GENERAL WIRING MAP

