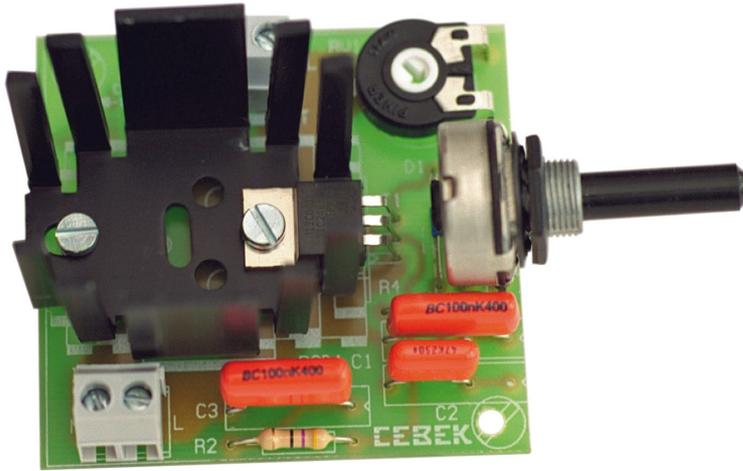




cebek[®]

SPEED REGULATOR R-10



TECHNICAL CHARACTERISTICS

Operating Voltage.....	230 V. A.C.
Output.....	Triac.
Maximum Output Power.....	1.500 Watts (2 CV).
Adjustment Margin.....	From 33 up to 98 %.
Minimum Operating Voltage.....	90 V.
Hysteresis Level.....	Inferior than 3 %.
Protection Against Interferences.....	Yes.
Sizes.....	60 x 55 x 25 mm.

The R-10 module is a speed regulator for AC monophase engine up to 1.500 W. (specially recommended for power-drill, vacuum-cleaner, etc...). The module could support other resistive loads as heater, resistors, etc. It includes a potentiometer to adjust the minimum as well as connection terminals.

OPERATING

MODULE'S SUPPLY. The R-10 circuit is supplied by 230 VAC. To obtain a correct operating, using a filter for mains (230 VAC). See the general wiring map, you have to use correct plug and cable to connect it to the 230 VAC input terminal. Install a fuse and a switch (both are necessary for the module and your own safety as you could note in the EC regulations). Then, verify that the assembly is correct. Before to connect the switch to supply the module you have to do all indicated connections. **Don't forget that in the circuit you have 230 VAC.** For this reason you have to be very careful.

LOAD. OUTPUT CONNECTION. The module only accepts universal engines. Do not control inductive loads as fluorescent, halogen lamps, transformers, etc... To connect the output, connect the engine or load to the terminal indicated in the "General wiring map".

OPERATING. When the input and output connections are done and verified you could activate the switch to supply the module and thanks to the potentiometer you could adjust the engine's speed.

MINIMUM SPEED ADJUSTMENT. If you wish to adjust the minimum speed of the engine, you have to firstly put the potentiometer at the minimum. Then, you have to regulate the variable resistor for the minimum adjustment up to stop the engine.

INSTALLATION. Don't install the module in bad weather, even if it is protected. For the installation you have to use a metallic enclosure well ventilated. As the circuit will reach a high temperature, a bad ventilation will reduce its characteristics and/or damage it. **The module operating with a triac could generate interferences to other machines. If it is correct, you have to install a mains filter to the 230 VAC input (see "How to install a filter" paragraph).**

GENERAL WIRING MAP.

