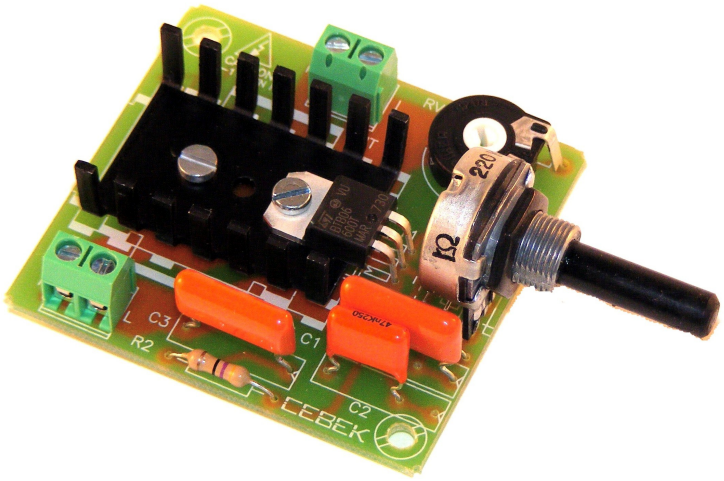
½ CV (375W) SPEED REGULATOR
R-8



TECNHICAL CHARACTERISTICS

Operating Voltage. .....230 V. A.C.
Output. .....Triac.
Maximum Output Power. .....375 W. (1/2 CV).
Adjustment Margin. .....From 33 up to 98%.
Minimum Operating voltage. .....90 V.
Histeresis Level. .....< 3%.
Protection Aganst Interferences. .....Yes.
Sizes. .....60 x 55 x 25 mm.

The R-8 module is a speed regulator for A.C. Monophase engine up to 375W. Specially recommended for powerdrill vaccum-cleaner, etc...
The module could support others resistives loads as heater, resistors. It includes potentiometer to adjust the minimum as well as connection terminals.

OPERATING

MODULE'S SUPPLY : The R-8 circuit is supplied by 230 V. A.C. To obtain a correct operating, you have to insulate the module from parasites using a filter for mains (230V. A.C).
Seeing general wiring map, you have to use correct plug and cable to connect it to the 230 V. A.C. 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, verifiy that the assembly is correct.
Before to connect the switch to suply the module you have to do all indicated connections. **Don't forget that in the circuit you have 230 V. A.C.** For this reason you have to be very careful.

LOAD. OUTPUT CONNECTION : The module only accept universal engines. Don't control inductive loads as fluorescent halogen lamps, transformers, etc...
To connect the output, connect the enfine 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 at the 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 dammage it.
The module operating with a triac could generate interferences to other apparatus. If it is correct, you have to install a mains filter to the 230V. A.C. input .

GENERAL WIRING MAP