POWER-BOX ALTERNATOR REGULATOR

SINGLE PHASE POWER BOX WITH CHARGING LIGHT CONTROL

**INPUT** ANY PERMANENT MAGNET ALTERNATOR SINGLE PHASE 
TWO OR THREE WIRE UP TO 180 WATTS.

**OUTPUT** 13/14 VOLTS DC (CHARGING 12 VOLTS)

**MOUNTING** 4 X 6mm HOLES AT 45mm X 75mm CENTRES.

**SIZE** 66mm LONG. 62mm WIDE. 35mm HIGH. 92mm X 66mm OVER MOUNTING FLANGE.

**WEIGHT** 200 gms.

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**POWER BOX**

- **RED/WHITE**
  - WHITE OR RED/WHITE CONNECT TO THE CHARGING LAMP AND EARTH. (SEE DIAGRAM OVER)
- **YELLOW**
- **WHITE**
- **RED POSITIVE**
- **BLACK NEGATIVE**
- **OUTPUT (12 VOLT)**

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**FROM ALTERNATOR TWO OR THREE WIRE**

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**MOUNT THE UNIT IN FREE AIR, THIS CAN BE IN A BATTERY BOX BUT SOME AIR FOR COOLING IS REQUIRED.**

**USE RUBBER VIBRATION MOUNTINGS FOR SEVERE CONDITIONS.**

**NEVER CONNECT THE BATTERY THE WRONG WAY ROUND.** A FUSE MUST BE PLACED IN ONE OF THE BATTERY CONNECTIONS. WHEN RUNNING WITHOUT A BATTERY NO FUSE IS REQUIRED, AND IT IS IN ORDER TO SHORT THE OUTPUT TO STOP THE ENGINE. **THE CHARGING LAMP SHOULD NOT BE MORE THAN 10 WATTS.** THIS WILL NOT WORK WHEN RUNNING WITHOUT A BATTERY.
LIGHTING AND ANCILLARY CIRCUITS

NOTES ON ALTERNATOR WIRING

FOR THREE WIRE UNITS JOIN TWO WIRES AS FOLLOWS:
- GREEN/YELLOW TO GREEN/BLACK, YELLOW 1
- GREEN/WHITE TO YELLOW 2

OR THE FOLLOWING:
- GREEN/YELLOW TO DARK GREEN TO 1
- GREEN/WHITE TO LIGHT GREEN TO 2

FOR STARTING WITH A LOW BATTERY REMOVE FUSE, TURN OFF LIGHTS, START ENGINE RUN UP TO SPEED AND REPLACE FUSE.

FOR BATTERYLESS RUNNING NO FUSE IS REQUIRED.

NEGATIVE EARTH SYSTEM

LIGHTING AND ANCILLARY CIRCUITS

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