



MAINS OPERATED  
**GENERAL PURPOSE  
 POWER SUPPLY**

KIT MODEL MGP-I

Ideal for operating any equipment within the HT and LT rating as specified.

Also available factory wired and tested



**SPECIFICATIONS**

**Input** ... .. 100-250 volts (4 tappings) 40-60 c/s A.C.

**Output D.C.** ... 3 separately smoothed outputs :  
 HT1 250-300 volts up to a max. of 90 mA.  
 HT2 170-220 volts up to max. of 30 mA. (Fully smoothed)  
 HT3 150-200 volts up to max. of 10 mA. (Fully smoothed)

**Output A.C.** ... 6.3 volts at 2.5 amps.

**Fuses** ... .. Single 2.5 amp fuse in LINE of primary. Single 250 mA fuse in HT secondary centre tap.

**Rectifier** ... .. Valve EZ.81.

**Outlets** ... .. Two octal sockets (mating octal plugs supplied with kit).

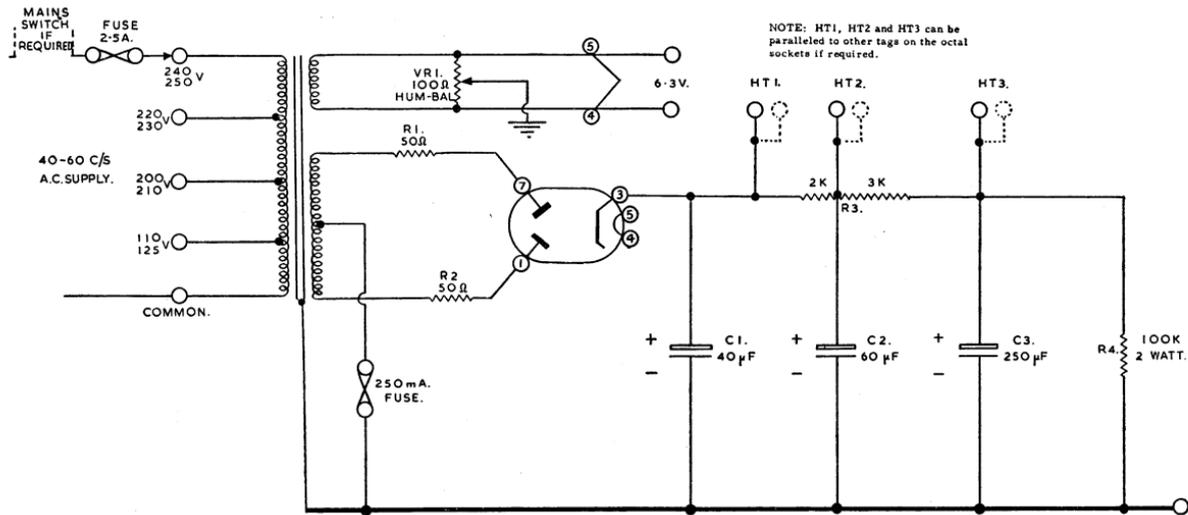
**Hum Balance** ... 100Ω potentiometer across 6.3 volt supply.

**Overall Dimensions** 5½" high × 9" long × 4" wide.

**Finish** ... .. Silver grey stove enamel with black printing.

**Weight** ... .. 6¾lbs (net), 7¾lbs (shipping)

(Please see *Circuit Diagram overleaf*)



CIRCUIT DIAGRAM OF THE HEATHKIT GENERAL PURPOSE POWER PACK. MODEL MGP-1.

*(In accordance with our policy of keeping abreast with technical development, we reserve the right to modify this circuit wherever desirable)*

Full wave rectification is employed using an EZ81 valve rectifier. The smoothing circuit is of the resistance-capacitance type and large value electrolytic capacitors are used. The three HT supplies are to a certain extent inter-dependent due to the type of smoothing circuit used.

A100Ω potentiometer is connected across the 6.3 volt supply and the potentiometer centre tap taken to earth to form a hum balance control. This is a most useful feature to ensure minimum hum from the heaters when used in conjunction with high gain amplifiers.

*A catalogue of the full British Heathkit range is available free from :-*

**DAYSTROM LTD.,**

**GLOUCESTER, ENGLAND**

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**THE LARGEST-SELLING ELECTRONIC KIT-SETS  
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