

INSTRUCTIONS for **POWER CONTROL UNIT A2**

MADE BY MECCANO LTD.

For use on alternating current supplies only

The A2 Power Control Unit provides a safe and reliable variable D.C. supply, of 0-12 volts, for operating an electrical mechanism.

INPUT

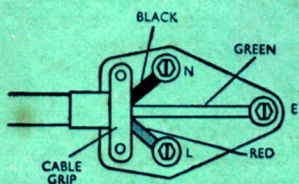


Fig. 1

The three-core flex provided with this unit is intended to be used with a three-pin plug and socket. If your plug is of this type it should be connected as follows:-

(a) Connect the red and the black flex leads to the terminals of

the two smaller pins, marked L and N respectively, of the plug. These are the supply terminals. (b) Connect the green flex lead, which is the earth, to the E terminal of the remaining larger pin of the plug. (see Fig. 1). If the plug is of the two-pin variety the red and the black flex leads **ONLY** must be connected. The green earth lead must be cut back to the sheath (Fig. 2).

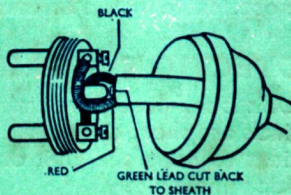


Fig. 2

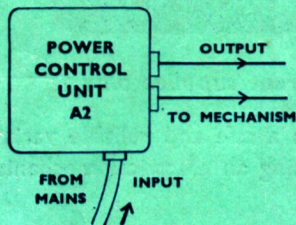
Unless you are confident of your ability to make the plug connections efficiently, we strongly recommend you to employ the services of a competent electrician.

ON NO ACCOUNT MUST THE EARTH LEAD BE CONNECTED TO EITHER OF THE SUPPLY TERMINALS

OUTPUT

The output of the Unit is taken from the two terminals mounted on the black panel at the end of the case (Fig. 3). This output, rated at 8 watts-12 volts, is regulated from "Off" to "Maximum" forward or reverse by means of the control handle mounted on top of the case.

Fig. 3



If it is found in operation that the mechanism moves in the opposite direction to that indicated by the movement of the control handle, the connections should be changed over at the Unit terminals.

Although the Unit is normally intended to operate one electrical mechanism, it may be used to work two mechanisms coupled together for short periods if required.

INDICATOR LAMP

An indicator lamp is provided for the purpose of showing if a fault occurs in the circuit connected to the output terminals of the Unit. The lamp will glow brightly when such a fault is present. When the Unit is delivering its normal output there is no light, or at most the filament will glow dull red.

The working of the Unit will not be affected if the lamp becomes damaged. A damaged lamp must be replaced only by the special "A2" lamp, obtainable from a Meccano dealer.

PROTECTION AGAINST OVERLOAD

The Unit is self-protective and will not be harmed even if the output terminals are short circuited. The rise in temperature will **not** be sufficient to harm the Unit or the operator even if it is left in this condition indefinitely.

If you require further information please write to Information Service, Meccano Ltd., Binns Road, Liverpool 13, or to Meccano Ltd., 22 Berkeley Square, London, W.1.

MADE AND GUARANTEED BY MECCANO LTD.