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Manufacturers and Distributors of Electronic and Electrical Equipment

PLEASE READ ALL THE NOTES BEFORE USING THE UVIPAC.

The UVIPAC should be fitted by the user with a correctly wired 13 AMP plug, fitted with a 2 or 3 AMP fuse, or a suitable local alternative. The Brown wire goes to the LIVE terminal and the Blue wire goes to NEUTRAL.

Mains voltage is obviously present inside the case and there is also a Very High Voltage generator for the discharge tube, producing around 700 Volts so do not use the UVIPAC with the case dismantled for this reason.

The discharge tube used in the UVIPAC emits Short Wave Ultraviolet light at a wavelength of 253.7 nm which is harmful to eyesight and skin if exposed. Therefore do not operate the unit with the door open or with the case dismantled.

The discharge tube also generates a small quantity of tri-atomic oxygen (ozone) which is harmful and should be particularly avoided by asthma sufferers. The case is not completely ozone tight so use in a well ventilated place.

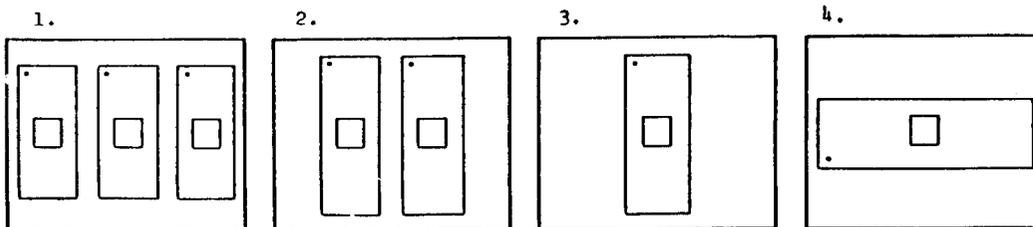
Note that the discharge tube contains mercury, so if it is broken then extreme care should be taken with its disposal. The slight rattle that may be heard when the UVIPAC is shaken is the spent mercury carrier sliding around in the tube.

Repairs to the UVIPAC should not be undertaken by non-authorized personnel.

We will accept no responsibility whatsoever for any claims arising from misuse of the UVIPAC or for any claims arising from ignoring the preceding warnings.

ERASURE TIMING.

The amount of time required for complete erasure will depend on the EPROM. In our experience all makes and sizes of EPROM should be erased in 15 minutes, but this may vary in some cases. The best thing is to try erasing for 15 minutes and then if this does not work increase the time by 5 minutes and so on, until erasure is complete. The discharge tube radiation is more concentrated towards the centre so refer to diagrams 1 to 4 when loading the UVIPAC with EPROMS.



UVIPAC INSTRUCTIONS.

1. Remove any labels that have been placed over the window in the EPROM. When this has been done any sticky residue must be removed to leave the window absolutely clean to ensure the quickest erasure time. Failure to clean the window may in some cases prevent complete erasure.
2. Next the EPROM(s) should be pushed down as far as they will go into the black conductive foam according to diagrams 1 to 4.
3. Lift the door in the front of the UVIPAC and slide the foam containing the EPROM(s) into the slot as far as it will go, there being a stop and guide rails inside the unit. Close the door and then switch on the mains. The indicator on the top will glow to show that the unit is in operation. Do not turn the UVIPAC upside down when it contains the foam and/or EPROMS as they may become jammed inside, making it necessary to dismantle the case to remove them.
4. When the required amount of time has elapsed just switch off the mains, lift the door and remove the foam containing the EPROM(s). The UVIPAC may be tilted to facilitate removal. Your EPROMS can be damaged by over exposure to UV light, so do not become distracted and forget that you have the UVIPAC on.
5. If you have the UVIPAC (T), with timer or the UVIPAC (TS) with timer and sounder then the tube will be automatically switched off after approximately 15 minutes. The (TS) version will beep until the mains is switched off. The timer can be reset for a further period if required by switching off the mains, pausing for a couple of seconds, and then switching back on. The timing period can be interrupted at any time during the cycle by just switching off the mains. Do not leave the UVIPAC (T) or (TS) switched on at the mains for long periods of time when the timer period has elapsed.
6. EPROMS should be checked for blank status (FF) before re-programming. If the EPROM has not been erased during the first period of time, then it can be put in for a further period of around 5 minutes and checked again for status. Our experience has shown that any EPROM that has not been erased after about 25 minutes total time in the UVIPAC is probably no good. One way to check is to look for blocks of data that have been erased i.e. at FF, followed by blocks that have not been erased, as this is an indication of an EPROM that may be dud. The window should be checked for cleanliness before discarding however (see 1. above). Alternatively, the EPROM will show all bytes at FF after erasure but on programming some bytes will not be set correctly.

SPARES and REPAIRS.

If the UVIPAC does not function then the only thing that the user can do is to check the mains supply and the fuse and wiring in the 13 AMP plug. Providing this is in order then the UVIPAC will have to be returned to us if you bought direct, or to your original supplier. We do not recommend that repairs, including tube replacement, are carried out by non authorised personnel due to the hazardous voltages and U.V radiation concerned.

SERVICING EXAMPLE :- Fit a new discharge tube out of guarantee.

Return the UVIPAC to us well packed and postage paid. We will test it and inform you of the cost of repair. In the case of a new tube being required the cost will be £4.50, i.e. £3.00 for the tube + £1.50 P&P (inc. VAT). On receipt of your cheque we will fit a new tube, test and return the UVIPAC to you.

Spare conductive foam pads, cut to size, are available at 0.20 pence each + 0.20 P&P (inc. VAT).

(Prices apply in U.K. only, overseas customers please enquire first.)