

is111 AIT & CIT Installation guidelines

Circuit Breakers

Our normal circuit breaker recommendation is to fit a 'Type 4' (also known as 'Type D') (Type C Breakers can be used) which should function without nuisance tripping. Size of the circuit breaker should be based on the input fuse. To provide discrimination we recommend the next breaker size up and cable sizes to suit.

Unpacking

Remove the unit from the box and examine for external damage. Please advise your supplier and/or carrier if the unit is damaged in any way. Before installation check that these four specification parameters are appropriate to your needs:

- Input voltage
- Output voltage
- Line frequency
- Power rating

Positioning

See our [recommendations sheet](http://www.aelgroup.co.uk/hb/hb758.htm) (<http://www.aelgroup.co.uk/hb/hb758.htm>) . Siting The unit should be installed as close as possible to the load it is protecting. Installation Plug & socket models These models are supplied with socket(s) and plug or cable. Simply plug the unit into a convenient mains socket and the critical load into the socket(s) on the unit. Terminal models These models have two terminal blocks. The terminal blocks should be wired to as shown on the connection labels. Operating notes To ensure highest noise immunity, equipment connected to the output of the Power Conditioner should not be earthed via any route other than through the Power Conditioner.

Failure to observe this could result in noise-inducing earth loops being set up. It is also desirable to keep input and output leads as far apart as possible to eliminate interference being picked up by the output lead. If fitted the circuit breaker on the front panel should be used as the ON/OFF switch wherever possible.

Do not block or obstruct the ventilation holes.

Whilst the units do not run excessively hot, cooling is still necessary as with any other piece of electronic equipment.

In the event of accidental short circuiting of the output, the input breaker or fuse will blow. It is most important that a replacement fuse of the **CORRECT RATING** is fitted. At initial switch-on, a peak current of up to 15 times the normal running current is drawn for a few cycles. All fuses and input cables should be rated to handle the current level shown.

Service

We maintain long term spares backup and have several international services centres.

Please ask your supplier for the name of the nearest location to repair faulty units.

Due to the special impregnation process it is unlikely that a normal re-wind house can repair our units.

It is essential to arrange for the return of damaged units before shipping them to the factory.

Our sales organisation will be delighted to help with any applications problems.