



# ABLE Systems Limited

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## EMC Directive 89/336/EC (Disclaimer)

Please note that the item to which the enclosed application data refer is designed to be used as a component in another finished good, and is not intended to be placed on the market or brought into service independently. The system integrator using this item must assume responsibility for Electro-Magnetic Compatibility (EMC) between this item and its environment, both for emissions and immunity/susceptibility.

Particular attention should be paid to the wiring connections between the item and the power supply, data source and other parts of the user's system in case special shielding and/or cable layout is required to meet applicable EMC criteria.

### Ap24 Series Panel-Mounting Printers

To assist OEM customers, we have carried out traceable pre-compliance tests on our most popular Ap24 printer, which indicate that the printer itself is unlikely to prevent EMC compliance of the customer's equipment, as follows:

- Since the Ap24 is DC powered and will only be electrically connected within an OEM equipment, conducted emissions and immunity are not relevant, and we consider that the Ap24 falls outside the scope of the Regulations in these regards.
- When fitted in an earthed steel case and connected to an internal data source and power supply, the Ap24 may be expected to comply with the requirements of the EMC Directive in respect of radiated emissions and immunity.
- When fitted with an earthing wire to the M-160 mechanism, the Ap24 may also be expected to comply with the requirements in respect of electrostatic discharge (ESD).

### Earth Connection and EMC Screening Sleeve

From 1. January 1996, new production of Able Systems Ap24 Series printers will be fitted with an earthing wire attached to the metal chassis of the printer mechanism. The other end of the wire will be supplied attached to the panel clamp by an eyelet. Users are recommended to make a sound earth connection to this point, so that the metal parts of the printer are electrically bonded to the earthed parts of the user's equipment.

A steel enclosure (Ap24 EMC Sleeve) for the rear of the Ap24 Series, which replaces the panel clamp, is available to provide additional EMC screening if required.