

ELECTRICAL SAFETY

The unit must be mounted in an electrical panel provided with suitable isolation and correctly earthed.

The power circuits connected to the monitor should be suitably fused. For units designed for a 230 V supply, a supply current fuse of 1 A is adequate. Mains input current should not exceed 5 mA at 230 V ac. For 24 V ac units input current should not exceed 50mA and a supply fuse not greater than 1A should be used.

The monitor is suitable for single phase 230 V max operation. On no account should 3 phase, 415 V, connections be made to the unit.

EMC REQUIREMENTS**General**

To be sure that the JTL products comply with the EMC requirements, the installation instructions supplied with the product must be adhered to.

Earth connection

Earth connections must be copper or aluminium to earth. Steel plates, trunking, armouring forming part of the earth system are not acceptable.

CABLE INSTALLATION REQUIREMENTS

When installing into equipment it is essential that the following requirements are observed:

Cable Segregation

Connections are divided in to two groups:

- (i) Power
- (ii) Network

It is essential that the cable connections to these groups be segregated.

Network Cables

Network signals must be run in multicore cable to minimise EMC problems.

Network cables should have a minimum insulation voltage of 250 V ac.

Connection to unit must be made using cables designed for and terminated with RJ8 (Fcc684/4) connectors.

Power Cables

Flexible cables connected to JTL screw connectors should be bootlace ferruled with the correct ferrule using an appropriate crimp tool.

High Voltage Testing

No JTL monitor should be connected in circuit during high voltage "flash" testing.

Cable Installation Within Equipment

Within the equipment separation must occur with a minimum of 150 mm between parallel runs of power and network cables. These must not be run in common trunking.

External Cables to Site Wiring

A minimum spacing of 350 mm must be maintained between parallel runs of power and network cables. These must not be run in common trunking.

Where separation of 350 mm is not possible the network cable should run in conduit or separate section steel trunking.

STATUTORY WIRING REGULATIONS

Installation should comply with the current statutory wiring regulations.

ADDITIONAL INFORMATION

Further information on installation requirements and cabling is available in the JTL Installation Practice Manual available on request.