OEM300 USER GUIDE ADDENDUM: LVD INSTALLATION INSTRUCTIONS

Product Type: OEM300 Power Module

The above products are in compliance with the requirements of directives

- **72/23/EEC Low Voltage Directive**
- **93/68/EEC CE Marking Directive**

The OEM300, when installed according to the procedures in the main body of the user guide, may not necessarily comply with the Low Voltage Directive (LVD) of the European Community. To install the OEM300 so that it complies with LVD, you must follow the additional procedures described in this addendum, under *LVD Installation Instructions*. If you do not follow these instructions, the protection of the product may be impaired.

The OEM300 is sold as a complex component to professional assemblers. As a component, it is not required to be compliant with Electromagnetic Compatibility Directive 89/336/EEC. However, information is offered in Compumotor's *EMC Installation Guide* on how to install the OEM300 in a manner most likely to minimize the effects of drive emissions and to maximize the immunity of drives from externally generated interference.

Compumotor Division

88-015916-01 A

Parker
Motion & Control

LVD Installation Instructions

For more information about LVD, see 73/23/EEC and 93/68/EEC, published by the European Economic Community (EEC).

Environmental Conditions

Pollution Degree
The OEM300 is designed for pollution degree 2.

Installation Category
The OEM300 is designed for installation category II.

Electrical

Connecting and Disconnecting Power
The OEM300's protective earth connection is provided through its heatsink. You must reliably earth the OEM300's protective earth connection.

Attach or remove the OEM300's power connector only while input power is OFF.

Using an Isolation Transformer
The OEM300's mains voltage is limited to the ranges of 90 to 132 VAC and 180 to 265 VAC

Connecting the Protective Conductor Terminal to Earth
You must provide a connection from the OEM300's protective conductor terminal to a protective earth conductor of the mains.

The protective conductor terminal is marked with a label on the product bearing the following symbol:

Protective Conductor Terminal Marking

To connect the protective conductor terminal to earth, complete these steps:

① Use a spade lug in combination with a star washer to make good contact with the bare metal surface of the OEM300.

② Use a green and yellow wire to reliably earth the protective conductor terminal. Wire gauge must be no thinner than the current-carrying wire in the product's mains supply.

③ Resistance between the protective conductor terminal and earth must be no greater than 0.1 Ω. Use thicker gauge wire if the resistance is too high.

Mechanical

Installing in an Enclosure

The OEM300 must be installed within an enclosure. The enclosure's interior must not be accessible to the machine operator. The enclosure should be opened only by skilled or trained service personnel.

Servicing the OEM300

Do Not Replace Fuses

The OEM300 has no fuses designed to be replaced by the user. Fuse failure indicates that other components have also failed. Fuses and other components should only be replaced by Compumotor or its designated repair facilities. Therefore, you should not replace fuses.

Thermal Safety

The OEM300 May Be Hot

The OEM300 may reach high temperatures during normal operations, and may remain hot after power is removed.

Table of Graphic Symbols and Warnings

The following symbols may appear in this user guide, and may be affixed to the products discussed in this user guide.

Symbol	Description
	Earth Terminal
	Protective Conductor Terminal
	Frame or ChassisTerminal
	Equipotentiality
	Caution, Risk of Electric Shock
	Caution, Refer to Accompanying Text
	Hot Surface