

A P P E N D I X A

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 OEM750/OEM750X is designed for pollution degree 2.

Installation Category

The OEM750/OEM750X is designed for installation category II.

ELECTRICAL

Connecting and Disconnecting Power

The OEM750/OEM750X's protective earth connection is provided through its heatsink. You must reliably earth the OEM750/OEM750X's protective earth connection.

Attach or remove the OEM750/OEM750X's power connections only while input power is OFF.

The OEM750/OEM750X's supply voltage is limited to 75 VDC.

Connecting the Protective Conductor Terminal to Earth

You must provide a connection from the OEM750/OEM750X's protective conductor terminal to a reliable earth point.

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



Protective Conductor Terminal Marking

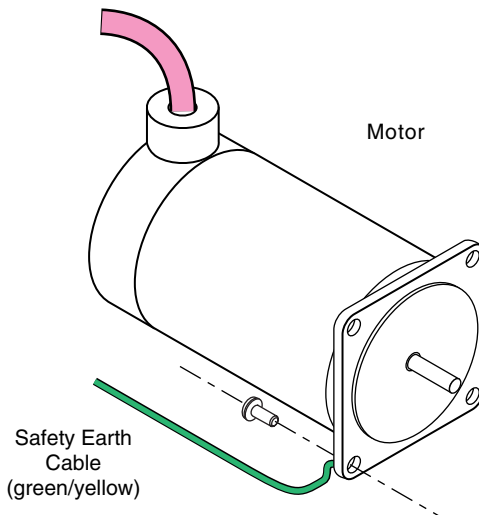
To connect the protective conductor terminal to earth, complete these steps:

- ① Use a ring terminal in combination with a star washer to make good contact with the exposed metal surface surrounding one of the OEM750/OEM750X's mounting holes. (The dimension drawing in *Chapter 2* indicates the mounting hole that has exposed metal.)
- ② Use a VDE approved green/yellow protective conductor terminal 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.

Providing a Protective Earth Connection for Motors

You must provide a connection from the motor to a reliable protective earth. This connection provides a protective earth for the motor contact point. The motor's protective earth connection is important for safety reasons, and *must not be omitted*.

Compumotor's OS Series, RS Series motors with the L10 option, and OEM83 Series motors have permanently attached cables that do not contain protective conductors (earth wires). If you use one of these motors, or any other motor without a protective conductor, make connections according to the following instructions and diagram:



Motor – Earth Connection

- ① Use a ring terminal in combination with a star washer and mounting bolt to make good contact with the bare metal surface of the motor's mounting flange.
- ② Use a VDE approved green/yellow protective conductor terminal wire to make the connection between the motor and earth. Wire gauge must be no thinner than the current carrying wire in the motor's power cable.
- ③ Resistance between the motor and earth must be no greater than 0.1 Ω . Use thicker gauge wire if the resistance is too high.

Compumotor's RS Series motors with the C10 option have a protective conductor in the removable cable. If you use one of these motors, or any other motor with a protective conductor in its cable, connect the protective conductor to a reliable protective earth point. Follow the motor manufacturer's installation instructions.

MECHANICAL

Installing in an Enclosure

The OEM750/OEM750X must be installed within an enclosure. The enclosure's interior must not be accessible to the operator. The enclosure should be opened only by skilled or trained service personnel.

Do Not Operate the OEM750/OEM750X Without Cover

The cover provides mechanical support to the circuit assemblies inside.

SERVICING THE OEM750/OEM750X

Changing Firmware

Only skilled or trained personnel should change firmware.

THERMAL SAFETY

The Motor May Be Hot

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








SONIC PRESSURE

High Sound Level

The sound level from some large frame step motors (NEMA 34, NEMA 42, and larger) may exceed 85 dBA. Actual sound level is application dependent, and varies with motor loads and mounting conditions. Measure the sound level in your application; if it exceeds 85 dBA, install the motor in an enclosure to provide sound baffling, or provide ear protection for personnel.

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 Chassis Terminal
	Equipotentiality
	Caution, Risk of Electric Shock
	Caution, Refer to Accompanying Text
	Hot Surface