



Guidelines for wiring a DC Motor Speed Control when used with a suitable AC Line RFI (EMI) Filter

The AC power leads between the filter and the speed control should be as short as possible. The incoming AC power leads should use shielded wire with both ends of shield grounded or run leads within a grounded metal conduit.

Armature leads between the DC motor and speed control should be as short as possible. Use shielded wire with both ends of shield grounded, or run motor leads within a grounded metal conduit.

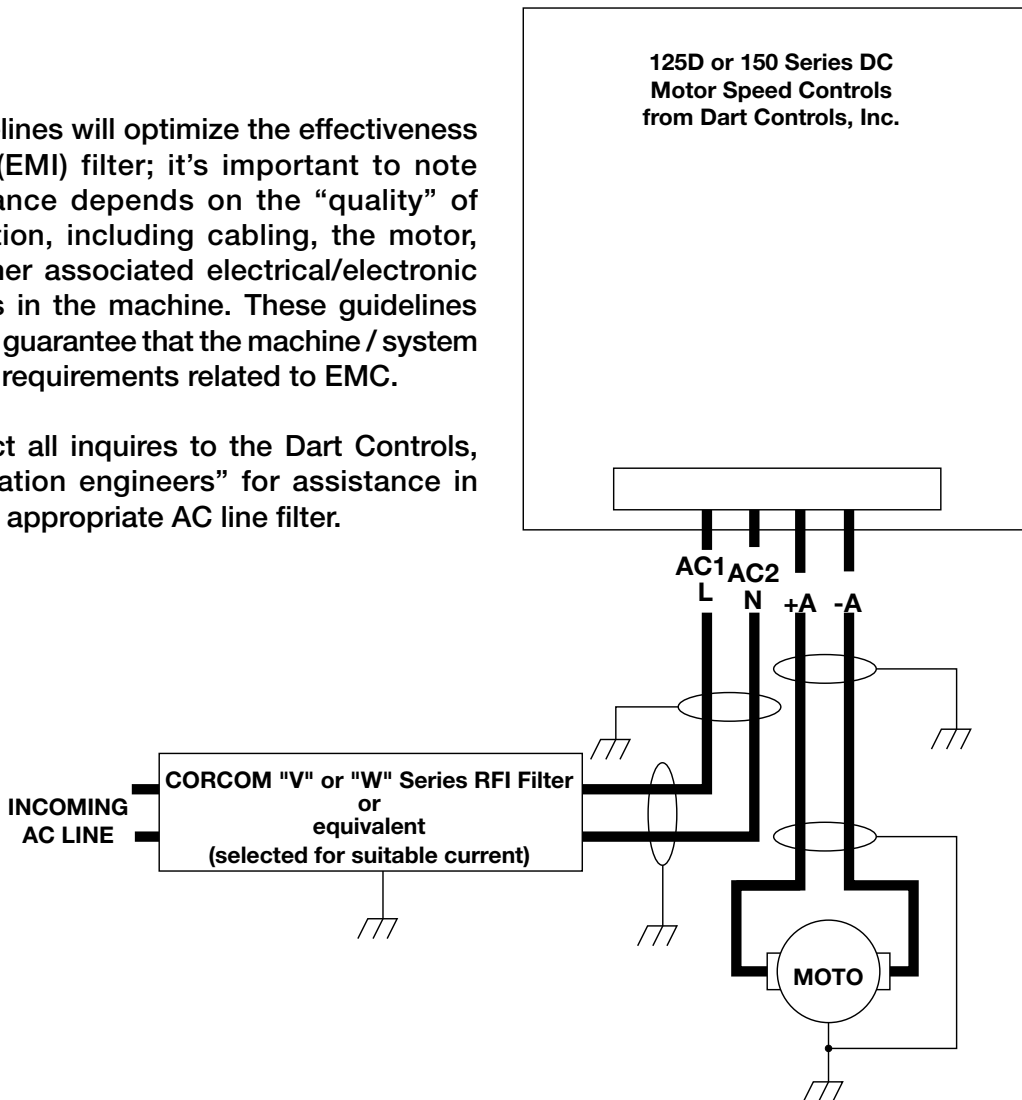
All other external connections to the control such as remote speedpot or inhibit, must be routed in shielded cable or conduit that is appropriately grounded.

Always mount the speed control within a grounded electrical panel or enclosure.

It is the responsibility of the O.E.M. / machine builder / system integrator to demonstrate compliance of the finished machine to the (EMC) Directives and to affix the C.E. mark to the machine.

These guidelines will optimize the effectiveness of the RFI (EMI) filter; it's important to note the compliance depends on the "quality" of the installation, including cabling, the motor, and any other associated electrical/electronic components in the machine. These guidelines alone do not guarantee that the machine / system will meet all requirements related to EMC.

Please direct all inquires to the Dart Controls, Inc. "application engineers" for assistance in selecting an appropriate AC line filter.



For more information on Dart Controls, please call (317) 873-5211 or fax (317) 873-1105.

Dart Controls, Inc. • 5000 W. 106th Street • Zionsville, IN 46077