

LT160-PS1/SF1-120VAC INTERFACE MODULE

for the ALLEN-BRADLEY Bulletin 160 SSC Variable Speed Controller

INTRODUCTION

This document describes the installation of a Leaf Technology LT160 120VAC interface module on a A-B Bulletin 160 series “C” variable frequency drive.

INSTALLATION

Prior to installation, verify that the interface module and drive types match. Interface module LT160-SF1-120VAC should only be installed on analog signal follower model drives (catalog option “-SF1”) and LT160-SF1-120VAC on preset speed model drives (catalog option “-PS1”).

1. Before proceeding, verify that all voltage (power and control) has been removed from the drive for five minutes.
2. Fully unscrew all drive control terminal block screws (TB3, terminals 1-11).
3. Insert the interface module tabs into the two drive enclosure slots located below the control terminal strip. Carefully raise and align the interface module circuit board into the drive control terminal strip (do not use excessive force when inserting as damage to the drive and interface module can occur).
4. With the module fully seated against the drive, tighten all drive terminal screws to 4.4-5.3 in-lbs (0.5-0.6Nm).
5. Connect control logic signal wires to the interface module terminals as required for application (see interface module interconnection diagram for terminal function definitions).
6. After verifying that no control voltage is present at the interface module terminals, apply line power to drive terminals L1, L2 and L3.
7. Program the drive per instructions in the 160 SSC user manual (Publication 160-5.15).
8. Apply control voltage signals to the interface module as required by the application.

CAUTION: This card contains electrostatic sensitive devices. The installer should be grounded before handling the card.