<Notify173.doc>

To:  All Dalf1F Motor Control Board Users          Date: 08/16/2008
From: Embedded Electronics, LLC                    Re: Dalf-1F Code Release (1.73)


This is to notify you that Embedded Electronics has recently released new code for the
Dalf-1F Motor Controller Product.  The release does not affect the board hardware.
If you have an earlier release and are happy with it, you may want to just keep it.

Version 1.73 code has two changes from the previously released Version 1.71.

- The first change is an RS232 communication bugfix.  This fix affects only those
  using the API interface to communicate with the board and only if there is a
  protocol error during communication (ie; the fix involves protocol error
  handling).  The nature of the bug is that a communication error (bad data) can
  result in the communication interface becoming inoperable - requiring a board
  reset to recover.

- The second change is a new feature allowing the Dalf Board to be
  programmatically placed in boot mode.  This change allows Dalf Boards that are
  installed in enclosures to be upgraded without opening up the enclosure to access
  the PGM switch.  With this change the last byte of the internal EEPROM (at
  address 0x03FF) serves as an additional flag to tell the Dalf firmware whether or
  not to perform a normal power up or to enter boot mode.   With this change, either
  the PGM switch or the last byte of the EEPROM can be used to request boot
  mode operation (*).


(*)  Note: For those of you who are upgrading to Version 1.73 from an earlier version
using the P1618QP boot loader application, you will initially use the PGM switch to
place the Dalf Board in boot loader mode as usual.  Flashing the Version 1.73 code image
will not affect your internal EEPROM, so depending on the existing value at 0x03FF, the
first time power up after flashing may require an additional reset in order to turn off the
EEPROM flag (write 0x00 to 0x03FF) and allow normal power up.


Please contact Embedded Electronics, LLC if you wish to obtain a Version 1.73
Development CD.


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