Reason for Correction

In an effort to continuously improve the quality of our products, AMCI has decided to replace the EEPROM memory used in our plug-in modules with a nonvolatile, battery backed, static RAM. This memory is used to store the programmable parameters.

EEPROM memory can store its data for 25+ years in the absence of power but is limited to 10,000 write cycles before writing to the memory may damage it. The nonvolatile static RAM (NvRAM) has an unlimited number of write cycles, but its battery life is approximately 10 years. AMCI decided to switch to NvRAM because of the many customers that continuously write new parameters from the backplane.

Implementation

The switch from EEPROM to NvRAM is relevant if the module's serial number is 28084 or above. The serial number is located on a silver label adhered to the module.

Manual Changes

The manual references to the EEPROM should now reference the NvRAM. Most users will not be affected by the change. However, users can now continuously write new parameters to the module if your application requires it.

Do Not continuously write the same parameters to the module unless they are being changed. The module must service all of the writes to it. Writing the same parameters to the module will unnecessarily interrupt the processor and may affect normal operations.

-05 Option

In the past, users could order a module with a NvRAM instead of an EEPROM by adding "-05" to the part number. The –05 option has been phased out and replaced with standard product.

NOTE: You may have ordered a module with the –05 option, such as the 1741-05, and received a standard product, in this example a 1741. These two are equivalent if the serial number of your 1741 is 28084 or above.

NOTE: Continue to specify the NvRAM requirement on future orders. AMCI maintains stock of most of its products and an EEPROM module, (serial number below 28084) may be shipped if the NvRAM requirement is not specified. Once stock of the EEPROM modules is depleted you will not have to specify the NvRAM requirement.

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