Product Change Notification

TRINAMIC Motion Control GmbH & Co. KG
Waterloohain 5, 22769 Hamburg, Germany
www.trinamic.com

PCN-2015-04-14
April 14, 2015

Dear Valued TRINAMIC Customer,

this is to inform you that a new firmware version has officially been released for the modules listed in the table below.

The modules will be delivered together with this new release. Modules already shipped can be updated to this new release using the firmware update feature of the TMCL-IDE via serial interface. The new firmware and updated documentation will be available for download from the Trinamic website. Prior releases are still available on request. If you have any questions, please contact your sales partner.

Firmware Changes:
- Slow run current (axis parameter 182) is working correctly now.
- RFS STATUS command also copies its result to the accumulator register and sets the flags (when used in a TMCL program).
- Problem in TMCL interrupt handling that could lead to race conditions fixed.
- Version information of the boot loader can be read (if the boot loader supports this).
- Direction of rotation can be reversed using global parameter 90.
- The new USB IDs of Trinamic for stepper motor modules are used (Vendor ID: 0x2A3C, Product ID: 0x0100).
- Motor will be stopped and cannot be moved when supply voltage drops below 8.5V. Motor can be moved again when supply voltage is higher than 9.5V.
- TMCL program will be stopped when supply voltage drops below 8.5V and will be restarted (if autostart mode set) when supply voltage is getting higher than 9.5V again.

These changes are classified as minor changes.

Products Affected

Article Name	Affected Article Numbers
TMCM-1140	10-0183, 10-0250
PD42-1-1140	30-185, 30-0244
PD42-1-1140	30-186, 30-0245
PD42-3-1140	30-187, 30-0246
PD42-4-1140	30-188, 30-0247
TMCM-1160	10-0209
PD57-1-1160	30-0192
PD57-2-1160	30-0193
PD60-3-1160	30-0194

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PD60-4-1160	30-0195
TMCM-1141	10-0184, 10-0252
PD42-1-1141	30-0189, 30-0252
PD42-2-1141	30-0190, 30-0253
PD42-3-1141	30-0191, 30-0254
TMCM-1161	10-0185
PD57-1-1161	30-0174
PD57-2-1161	30-0175
PD57-3-1161	30-0155
PD57-4-1161	30-0176
PD60-1-1161	30-0154
PD60-2-1161	30-0177
PD60-3-1161	30-0178
PD60-4-1161	30-0179

Timing

Effective date for firmware release	April 14, 2015