



Product Change Notification

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

www.trinamic.com

PCN-2018-12-01

December 01, 2018

Dear Valued TRINAMIC Customer,

this is to inform you that a hardware, firmware change has been released for the modules listed in table below.

TMC1240-TMCL
TMC1240-CANopen
PD42-x-1240-TMCL
PD42-x-1240-CANopen

New modules will already be delivered with the hardware software changes listed in detail below. If you have any questions, please contact your sales partner.

Hardware Changes

The following hardware changes have been applied (V1.1 -> V1.2):

- Change of magnetic encoder type due to availability.
- Change of driver MOSFETs due to availability.

Firmware Changes

The following firmware changes have been applied (TMCL: V1.43 -> V1.45 / CANopen: V3.21 -> V3.22):

- New firmware supports both magnetic encoders.
- Corrected limit switch state (signal inverted). Axes parameter #10, #11.
- Add new TMCL commands.
- Add axis parameter #178.

Compatibility

Notes on hardware compatibility:

- The new version is regarded as fully compatible with the previous versions.

Notes on firmware compatibility:

- The new version is regarded as compatible with the previous versions. Encoder resolution remain the same.

This improvement is classified as a minor change (application dependent). Verification of changes in application is required.



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Products Affected

Article Name	Affected Article Numbers	New Article Numbers
TMCM-1240-TMCL	10-0309	10-0329
TMCM-1240-CANopen	10-0310	10-0330
PD42-1-1240-TMCL	30-0305	30-0346
PD42-1-1240-CANopen	30-0309	30-0350
PD42-2-1240-TMCL	30-0306	30-0347
PD42-2-1240-CANopen	30-0310	30-0351
PD42-3-1240-TMCL	30-0307	30-0348
PD42-3-1240-CANopen	30-0311	30-0352
PD42-4-1240-TMCL	30-0308	30-0349
PD42-4-1240-CANopen	30-0312	30-0353

Timing

Effective date	December 01, 2018
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