



# Product Change Notification

TRINAMIC Motion Control GmbH & Co. KG  
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[www.trinamic.com](http://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.

**TMCM-1240-TMCL**  
**TMCM-1240-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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