PCN #: S300X1-A21X-PCN-20200728
Change Title: PTM Update with NFC interface and enhanced encryption
Date of publication: July 28, 2020

Products affected / EnOcean ordering codes
- PTM 210   868.300 MHz S3001-A210
- PTM 215   868.300 MHz S3001-A215
- PTM 210U 902.875 MHz S3051-A210
- PTM 210J 928.350 MHz S3061-A210

Description of change
- Added NFC interface (PTM 215, PTM 215U, PTM 215J)
- Added optional enhanced secure mode operation (PTM 210, PTM 215, PTM 215U, PTM 215J). Encryption operation includes the transmission of the sequence counter aka "RLC" as defined in EnOcean Alliance specification Security of EnOcean Radio Networks.

Milestones
For PTM 210 & PTM 215:
- Pre-change products: existing orders unchanged, limited last time buy possibility available, please contact your EnOcean Sales representative or distributor
- Post-change products: delivery starting Oct 1, 2020

For PTM 210J & PTM 210U
- Last time buy until 30.11.2020 – with delivery option up to 31.3.2021

For PTM 215J & PTM 215U
- Delivery starting from Nov 1, 2020

Reason for change
- Continuous improvement of products and their benefits

Step codes and products after change
Current products:
- PTM 210   868.300 MHz S3001-A210 **Step code: DC**
- PTM 215   868.300 MHz S3001-A215 **Step code: DC**
- PTM 210U 902.875 MHz S3051-A210 (discontinued, replaced by PTM 215U).
- PTM 210J 928.350 MHz S3061-A210 (discontinued, replaced by PTM 215J)

Replacement products
- PTM 215U 902.875 MHz S3051-A215 **Step code: DC**
- PTM 215J 928.350 MHz S3061-A215 **Step code: DC**

Note:
The number 5 in the Product name (e.g. PTM 21**5**U) expresses encryption mode capabilities. Therefore, PTM 210U and PTM 210J is exchanged by PTM 215U and PTM 215J.

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EnOcean ordering codes update

Order codes incl. Step code for updated products:
- PTM 210   868.300 MHz S3001-A210:DC
- PTM 215   868.300 MHz S3001-A215:DC

Customer orders, which contain order codes incl. Step code will be served with up-dated products only.
Customer orders, which contains the order code only (without annex Step code), are to be confirmed and served with current or updated products. After transition period ends also only updated products will be served.

New Order codes:
- PTM 215U 902.875 MHz S3051-A215
- PTM 215J 928.350 MHz S3061-A215

Customer impact of change and recommended action

- In general, we recommend to use the PTM 215 modules to roll out enhanced security features and seamless commissioning in the EnOcean Alliance eco-system.
- PTM 21x mechanics are unchanged, therefore 100% compatibility between products pre –and after change
- Every PTM Module (PTM 210, PTM 215, PTM 215J, PTM 215U) is fully backwards compatible. New Features are added not changed.
- Current designs and application will work as before without any change with up-dated products.
- NFC Interface enables a full automated commissioning and onboarding of the PTM Modules into solutions. For tools availability and development please contact EnOcean.
- Enhanced security mode with RLC included in each telegrams enables and mainte-nance free operation. It prevents any issues in counter desynchronization and un-necessary user interventions in field between transmitter (e.g. PTM) and receiver (e.g. TCM).
- End User documentation, labelling and logistics might require update to reflect adapted export control- and radio certification numbers
- For price information please contact your EnOcean sales representative or distribu-tor

Reference Documents / Attachments

- User Manual PTM 210 / PTM 215 / PTM 215U / PTM 215J (DC Step code and later)
- Data Sheet PTM 210 / PTM 215 / PTM 215U / PTM 215J (DC Step code and later)

PCN revision history

Date of revision	Author	Revision number	Reason
July 28, 2020	Hönsch	00	Original PCN
August 14, 2020	Hönsch	01	Added important dates