

PCN #: S30x1-A21xx-Revision\_xx-PCN-20230623

Change Title: PTM 210, PTM 215, PTM 215U and PTM 215J update to ECO 260

Date of publication: June 23, 2023

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### Products affected / EnOcean ordering codes

- PTM 210 / S3001-A210
- PTM 215 / S3001-A215
- PTM 215U / S3051-A215
- PTM 215J / S3061-A215

### Description of change

- All variants:  
Replacement of ECO 200 by ECO 260 to ensure supply continuity.  
There is no change in form, fit and function
- PTM 215, PTM 215U, PTM 215J:  
Additional data field within QR code of product label identifying the NFC PIN Code as defined by EnOcean Alliance standard (details on next page)

### Milestones

- Customer sampling:  
PTM 210/215: June 2023  
PTM 215U: June 2023  
PTM 215J: June 2023
- Start of series production:  
PTM 210: September 2023  
PTM 215: September 2023  
PTM 215U: September 2023  
PTM 215J: October 2023

### Reason for change

- Components and production optimization to ensure continuity of supply

### Step codes after change

- PTM 210:DC -> PTM 210:EA
- PTM 215:DC -> PTM 215:EA
- PTM 215U:DC -> PTM 215U:EA
- PTM 215J:DC -> PTM 215J:EA

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### Customer impact of change and recommended action

- Applications scanning the QR code might need to be updated to make use of the new NFC PIN Code field within the QR code as shown below.  
EnOcean NFC tool and EnOcean NFC app support this field already.

### QR code structure (PTM 215, PTM 215U and PTM 215J only)

- The QR code of EnOcean products encodes key properties such as radio ID, serial number and step code.
- Starting with revision EA, this QR code will also encode the NFC PIN code according to the EnOcean Alliance standard. This allows NFC configuration tools to automatically retrieve the correct NFC PIN code required for access to the NFC configuration interface.
- The structure of the information encoded in the QR code is shown in the table below. The NFC PIN code field is marked with the identifier '31Z'.

Identifier	Length of data (excl identifier)	Content	Example
30S	12 characters	EnOcean Radio ID (48 bit format)	0000FE500100
+	1 character	Field Separator	Always '+'
13Z	32 characters	Random, device-specific security key (16 Bytes)	00112233445566778899AABBCCDDEEFF
+	1 character	Field Separator	Always '+'
1P	14 characters	EnOcean Alliance Product ID	000B00000057
+	1 character	Field Separator	Always '+'
31Z	8 characters	NFC PIN Code	0000E215
+	1 character	Field Separator	Always '+'
30P	10 characters	Product Ordering Code	S3001-A215
+	1 character	Field Separator	Always '+'
2P	6 characters	Step Code and Revision	EA32 (Step Code EA, Revision 32)
+	1 character	Field Separator	Always '+'
S	14 characters	Serial Number	01234567890123
Total: 115 characters			

- The values from the example above would be encoded in the QR code as:  
30S0000FE500100+13Z00112233445566778899AABBCCDDEEFF+1P000B00000057+31Z0000E215  
+30PS3001-A215+2PEA32+S01234567890123

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**Reference Documents / Attachments**

- User manual and datasheet (see product website)

**PCN revision history**

Date of revision	Author	Revision number	Reason
June 23, 2023	MKA	00	Original PCN