

PCN #: S30x1-A21xx-Revision_xx-PCN-20230623

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

Date of initial publication: June 23, 2023

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: Final samples available
PTM 215U: Final samples available
PTM 215J: Final samples available
- Expected start of series production:
PTM 210: Q2, 2024
PTM 215: Q2, 2024
PTM 215U: Q2, 2024
PTM 215J: Q3, 2024

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

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.
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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)	Total length	Content	Example
30S	12 characters	15	EnOcean Radio ID (48 bit format)	0000FE500100
+	1 character	1	Field Separator	Always '+'
13Z	32 characters	35	Random, device-specific security key (16 Bytes)	00112233445566778899AABBCCDDEEFF
+	1 character	1	Field Separator	Always '+'
1P	12 characters	14	EnOcean Alliance Product ID	000B00000057
+	1 character	1	Field Separator	Always '+'
31Z	8 characters	11	NFC PIN Code	0000E215
+	1 character	1	Field Separator	Always '+'
30P	10 characters	13	Product Ordering Code	S3001-A215
+	1 character	1	Field Separator	Always '+'
2P	4 characters	6	Step Code and Revision	DC18 (Step Code DC, Revision 18)
+	1 character	1	Field Separator	Always '+'
S	14 characters	15	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`

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
December 19, 2023	MKA	01	Updated timeline