

PCN #: TCM515-Revision_DB-09
Change Title: TCM 515 SW Maintenance
Date of publication: September 2nd, 2019

Products affected / EnOcean ordering codes

- TCM 515: S3003-K515
- TCM 515U: S3053-K515

Description of change

Release DB-09 is a product maintenance release introducing new features according to customer requirements.

1. New feature: Improved start-up

The start-up time is shortened and the power consumption is reduced. See user manual chapter 3.

2. New feature: Support for new security modes

EnOcean Alliance has added support for 32 bit RLC modes in the latest release (v2.5) of the EnOcean Alliance Security Specification. These modes are now supported by TCM 515. See user manual chapter 7.

3. New feature: Adjustable RLC backup interval

By default, TCM 515 backs up the most recent RLC once every 64 updates from SRAM to EEPROM. This update interval is now adjustable using an ESP3 command as described in user manual chapter 7.3.3.1.

The main intended use case is that of a battery-powered transmitted where TCM 515 is power cycled such that power is only supplied while transmitting.

4. New Feature: Option for HW wake-up from sleep via ESP3 interface

Previously, TCM 515 supported low power sleep mode for a specific duration and would wake-up automatically after that.

In addition to that, it is now possible to remain in sleep mode until activity on the ESP3 interface occurs thus allowing the external host to wake-up TCM 515 via this interface. See user manual chapter 8.

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Timeline

- Delivery of this version starts September 2019

Reason for change

- New product features according to customer requirements

Step codes after change

- TCM 515 DB-09
- TCM 515U DB-05

Customer impact of change and recommended action

- This maintenance release introduces new product features. The default behavior remains unchanged.

Reference Documents / Attachments

- TCM 515 User Manual V1.13

PCN revision history

Date of revision	Author	Revision number	Reason
September 02, 2019	Kassner	01	Customer PCN with final timeline