EnOcean

PCN #: S6201-K516-Revision_DC15-PCN-20240524
Change Title: STM 550 Product Update
Date of publication: May 24th, 2024

Products affected / EnOcean ordering codes

- STM 550 / S6201-K516
- STM 550J / S6261-K516
- STM 550U / S6251-K516

- STM 550 KIT   / B6201-K516
- STM 550J KIT / B6261-K516
- STM 550U KIT / B6251-K516

Description of change

The products listed above had to be redesigned to replace due to an obsolete part.
The following modifications were made as part of the redesign:

- The light level measurement is now done via the calibrated solar cell on the product surface instead of a light sensor on the PCB

- The LED feedback to the user has been improved and is now using a bi-color LED

- The default transmission interval has been changed from 60 to 120 seconds

Reason for change

- The light level measurement was changed to use a calibrated solar cell on top of the device instead of the previously used sensor which was positioned recessed (below the device surface) on the device PCB.
  The PCB placement of the sensor resulted in a narrow field of view which could lead to significant variation of the measurement value depending on the angle of the light source and the position of obstructions between light source and sensor.
  The solar cell is positioned directly at the surface and therefore provides a much wider field of view resulting in more consistent measurement results.

- The LED indication was changed from single color to bi-color to make the device response to user configuration actions (button presses) easier to identify.

- The default transmission interval was changed from 60 seconds to 120 seconds to reduce the amount of redundant reporting especially for temperature / humidity and door / window sensor use cases.

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Milestones
■ Post-change products
Delivery start planned June, 2024

Step codes after change
■ STM 550 (S6201-K516):   DC-15
■ STM 550 KIT (B6201-K516):   DC-15

■ STM 550J (S6261-K516):   DB-08
■ STM 550J KIT (B6261-K516):   DB-08

■ STM 550U (S6251-K516):   DB-09
■ STM 550U KIT (B6251-K516):   DB-09

Customer impact of change and recommended action
■ The default value of the transmission interval is 120 seconds to reduce the amount of redundant data reporting. The transmission interval can be modified via NFC if required.

■ LED feedback has been improved thanks to the upgrade to a bi-colour LED. User documentation might have to be updated accordingly.

Reference Documents / Attachments
■ STM 550 User Manual

PCN revision history

Date of revision	Author	Revision number	Reason
May 24, 2024	MKA	00	Original PCN