EnOcean

PCN #: S6221-K516-Revision_DB10-PCN-20240710
Change Title: STM 550B Product Update (Revision DB)
Date of publication: July 10th, 2024

Products affected / EnOcean ordering codes

- STM 550B / S6221-K516

- STM 550B KIT / B6221-K516

Description of change

- Light level measurement has been changed to use the calibrated solar cell to enhance measurement consistency under changing conditions

- LED feedback has been improved by using a bi-color LED to better identify different feedback scenarios

- Default reporting interval has been changed to 120 seconds to reduce redundant reporting

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 recessed placement of the sensor resulted in a narrow field of view which could lead to variation of the measurement value depending on the angle of the incoming light and the position of possible obstructions between light source and sensor.
  The solar cell is positioned directly at the surface and provides a wider field of view which enhances the consistency of measurement results.

- The LED indication was changed from single color to bicolor to simplify identification of STM 550B responses to user configuration actions such as button presses

- The default update rate was changed to 120 seconds to reduce redundant data transmissions for temperature, humidity, acceleration and magnet contact sensor use cases. Note that the update rate can be set to the previous value of 60 seconds via NFC if required.

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Milestones

- Pre-change products
Delivery until September, 2024

- Post-change products
Delivery from October, 2024

Step codes after change

- S6221-K516:DB

- B6221-K516:DB

Customer impact of change and recommended action

- Change description of LED feedback (if required)

- Configuration of a different update interval via NFC (if required)

Reference Documents / Attachments

- STM 550B User Manual (Revision DB)

PCN revision history

Date of revision	Author	Revision number	Reason
July 10, 2024	MKA	00	Original PCN