Product Change Notification (PCN)

PCN #: 7B-2020   *DATE: 7/22/2020*

1 PRODUCTS AFFECTED:

Laird Part Number	Old Rev	New Rev	Description
Temp & Humidity Sensors			
455-0001	11	12	Kit, Sentrius RS191 Sensor, Temp & Humidity, NA, 915MHz
455-0002	11	12	Kit, Sentrius RS186 Sensor, Temp & Humidity, EU, 868MHz
455-00059	3	4	Kit, Sentrius RS191 Sensor, Temp & Humidity, TW, 923MHz
455-00060	3	4	Kit, Sentrius RS191 Sensor, Temp & Humidity, NZ, 923MHz
455-00061	3	4	Kit, Sentrius RS191 Sensor, Temp & Humidity, HK, 923MHz
455-00062	3	4	Kit, Sentrius RS191 Sensor, Temp & Humidity, AU, 915MHz
455-00063	3	4	Kit, Sentrius RS191 Sensor, Temp & Humidity, AU, 923MHz
External Probe Sensors			
455-00064	3	4	Kit, Sentrius RS191 Sensor, External Temp Probe, TW, 923MHz
455-00065	3	4	Kit, Sentrius RS191 Sensor, External Temp Probe, NZ, 923MHz
455-00066	3	4	Kit, Sentrius RS191 Sensor, External Temp Probe, HK, 923MHz
455-00067	3	4	Kit, Sentrius RS191 Sensor, External Temp Probe, AU, 915MHz
455-00068	3	4	Kit, Sentrius RS191 Sensor, External Temp Probe, AU, 923MHz
455-00069	4	5	Kit, Sentrius RS191 Sensor, External Temp Probe, EU, 868MHz
455-00070	4	5	Kit, Sentrius RS191 Sensor, External Temp Probe, NA, 915MHz

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Open/Closed Sensors			
455-00040	2	3	Kit, Sentrius RS191 Multi-Sensor, External Open/Closed inc. Integrated Temp & Humidity, NA, 915MHz
455-00041	2	3	Kit, Sentrius RS186 Multi-Sensor, External Open/Closed inc. Integrated Temp & Humidity, EU, 868MHz
455-00072	1	2	Kit, Sentrius RS191 Multi-Sensor, External Open/Closed inc. Integrated Temp & Humidity, NZ, 923MHz
455-00073	1	2	Kit, Sentrius RS191 Multi-Sensor, External Open/Closed inc. Integrated Temp & Humidity, HK, 923MHz
455-00074	1	2	Kit, Sentrius RS191 Multi-Sensor, External Open/Closed inc. Integrated Temp & Humidity, AU, 915MHz
455-00075	1	2	Kit, Sentrius RS191 Multi-Sensor, External Open/Closed inc. Integrated Temp & Humidity, AU, 923MHz
RTD Sensors			
455-00103	3	4	Kit, Sentrius RS191 Sensor, External RTD Temp Probe, NA, 915MHz
455-00104	3	4	Kit, Sentrius RS186 Sensor, External RTD Temp Probe, EU, 868MHz
455-00106	1	2	Kit, Sentrius RS191 Sensor, External RTD Temp Probe, NZ, 923MHz
455-00109	1	2	Kit, Sentrius RS191 Sensor, External RTD Temp Probe, HK, 923MHz
455-00110	1	2	Kit, Sentrius RS191 Sensor, External RTD Temp Probe, AU, 915MHz
455-00111	1	2	Kit, Sentrius RS191 Sensor, External RTD Temp Probe, AU, 923MHz

These top-level part numbers include various accessories and packaging, as well as the main Sentrius LoRa Sensor. All changes implemented in these kits have been associated with the LoRa Sensor itself and the table below shows the correlation between the included sensor and associated kits.

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Included Sentrius LoRa Sensor – Internal Part Number				
Laird Sensor Part Number	Old Rev	New Rev	Description	Associated Kit
450-0180	9	10	Sentrius RS191 Sensor, External Temp Probe, NA, 915MHz	455-00070, 455-00064, 455-00065, 455-00066, 455-00067, & 455-00068
450-0181	9	10	Sentrius RS186 Sensor, External Temp Probe, EU, 868MHz	455-00069
450-0182	14	15	Sentrius RS191 Sensor, Temp & Humidity, NA, 915MHz	455-0001, 455-00059, 455-00060, 455-00061, 455-00062, & 455-00063
450-0183	14	15	Sentrius RS186 Sensor, Temp & Humidity, EU, 868MHz	455-0002
450-00096	2	3	Sentrius RS191 Multi-Sensor, External Open/Closed inc. Integrated Temp & Humidity, NA, 915MHz	455-00040, 455-00072, 455-00073, 455-00074, & 455-00075
450-00097	2	3	Sentrius RS186 Multi-Sensor, External Open/Closed inc. Integrated Temp & Humidity, EU, 868MHz	455-00041
450-00098	3	4	Sentrius RS191 Sensor, External RTD Temp Probe, NA, 915MHz	455-00103, 455-00106, 455-00109, 455-00110, & 455-00111
450-00099	3	4	Sentrius RS186 Sensor, External RTD Temp Probe, EU, 868MHz	455-00104

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2 DESCRIPTION OF CHANGES:

All changes have been applied to Sentrius sensor part numbers 450-0180, 450-0182, 450-00096, & 450-00098:

- PCB Color Change from Green to Blue
- GA5.1 FW Release – v6.1 20_06_16

RELEASE NOTES ARE LOCATED AT:

Release Notes for GA5.1

3 REASON FOR CHANGE:

- Manufacturing process improvements owing to PCB color change
- GA5.1 FW update for Sentrius Sensor

4 ANTICIPATED IMPACT OF THE CHANGE:

Firmware only:

- Advertising format adjusted for better compatibility with iOS. This means that the mobile app must be updated for compatibility (v6.5.0) with this format, older mobile app versions will not be able to connect to devices with this and later firmware revisions
- Battery level now displayed as a voltage for the Cayenne packet format
- Redundant humidity data removed from ext. probe sensor types for improved presentation in Cayenne applications.
- Open/Closed sensor specific data moved to a unique channel for correct display on Cayenne application

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5 METHOD OF IDENTIFYING THE CHANGED PRODUCT:
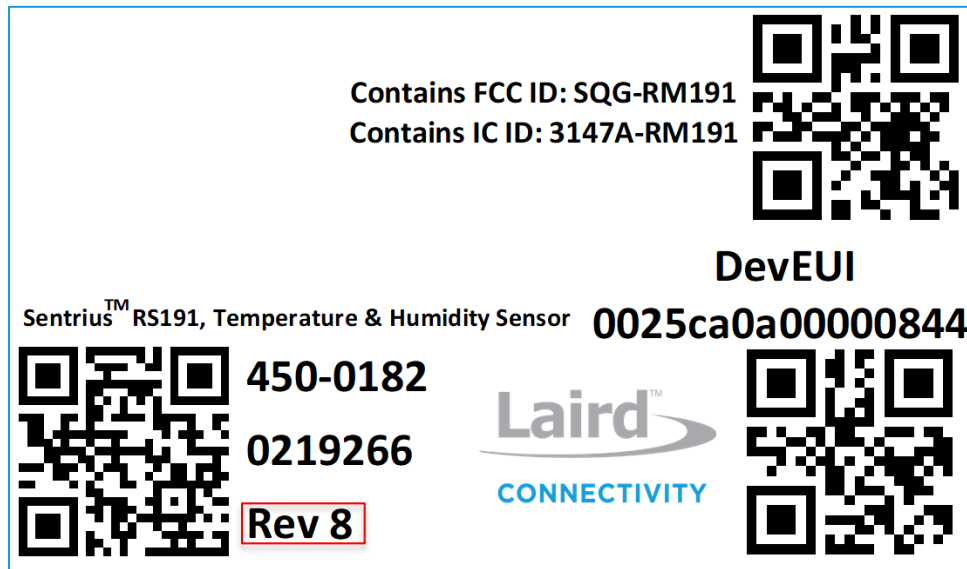
5.1 Top Level Part Number Changes (packaged kits)

- Latest revision changes available as revision number printed on kit content label for all kits (Label located on the bottom left corner of the base kit label). Specific kit part number and revision printed on the label within red square area.

Note: Label located on the bottom right corner of the kit base label contains the same label info as printed on the sensor contained within the specific kit (On Sensor Changes section).

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5.2 On Sensor Changes

- ▪ Labelling Changes for all latest revision sensors – Revision change available as revision number printed by barcode and within barcode for all sensor back labels.

Note: Revision level shown for reference. The appropriate revision level will be printed on the label.

6 FACTORY EFFECTIVITY DATE:

- Rolling Change – This will be a rolling change with the new revisions shipping starting in August 2020.

7 CONTACT INFORMATION:

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Product Change Notices (PCNs) will be distributed at the discretion of Laird. Occasionally, Laird may adjust product revision levels for internal tracking purposes only, and customers may not receive formal notifications associated with those revision changes.

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