ASSA ABLOY

Federal Communications Commission **12/07/23**

Description Of Changes for Permissive Change Request
FCC ID: U4A-SCYMCA1

To Whom It May Concern:

The Aperio IN100, HID Secure Element Processor has been updated. This new processor has 3 times the memory and twice the key storage space. Additional existing and new protocols can now be supported. The Secure Element Processor enhances security with a device and technology-independent layer of additional security, on top of device specific security, acting as a digital data wrapper for additional key diversification, authentication, and encryption.

Additionally, for the 2.4GHz ZigBee radio, the Z301 Balun, MURATA LDB212G4005C-001 has gone obsolete and will be replaced by Johanson Technology 2450BM15A0002E, same footprint.

The HID Secure Element Processor U202 has been replaced with part number SEL551000000. The only changes on the new PC board besides U202 are R216 is no longer populated, R225 and C224 were added. Firmware is compatible with new PC board.

Due to these changes, for traceability the PCB board number was changed from 52-9097 to 52-9158. **The same PCB layout files were used** when modifications were made for the 52-9158. The PCB traces and layout were minimally impacted. On the top side the processor was replaced and a capacitor and resistor were added. On the bottom side two resistors R213 and R212 had to be shifted up to allow for thermal pad vias on new processor.

We are adding an optional version of the product packaging that has metal "wings" on sides versus all plastic. See photo below. All electronics are the same.

All Plastic

Metal "Wings"

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Sincerely,

David DeBiase

David DeBiase
Senior Engineer