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Date: November 2, 2015

To Whom It May Concern

Subject: BC Series Product Family

Applicant: Airia Brands Inc.

This summary explains the subtle software and hardware differences.

99-BC02 is used to control Airia HRV fan speed and damper position through ANT wireless network. Unit is able to detect humidity and control fan speed automatically.

User can select fixed fan speed, humidity setpoint, and turn HRV on and off.

Unit can also receive ANT command for fan speed from 99-DET02 and 99-RX02.

Unit is powered 12VAC.

99-LBC02 is identical to 99-BC02 in hardware and software. Letter "L" is added to differentiate part numbers for marketing purposes.

99-BC02 is the base model for the BC series of product including 99-BC03 and 99-BC04.

99-BC03 has different way to set fan speed and HRV running mode in software. 99-BC03 is identical to 99-BC02 in hardware.

99-BC04 doesn't have humidity sensors. So user won't be able to select humidity settings in the software, and no LEDs and resistors are populated for that feature.

This addresses the worst case sample.

Because 99-BC02, 99-LBC02, 99-BC03 and 99-BC04 have identical NordicSemi MPU, radio, integrated PCB antenna and associated tank circuit, and the rest part of the circuitry is passive user interface including push buttons, humidity sensors, LEDs, and resistors, there isn't a worst case model identified when we submit samples.

Additional test including unintentional emissions and conducted emissions on 99-BC02 has also been done. These tests meet standard requirement.

Regards,

A handwritten signature in black ink, appearing to read 'P. Grinbergs', is written over a horizontal line.

Peter Grinbergs