

Technical Field Bulletin

Issued: 9/27/12

Summary of issue: InnovairFlex LED function when incorrectly installing a second sensor

Level of urgency: Medium

Model numbers

2GWK9	5CGZ1	AD4P120B	CAND4120	CAND4P120	CD4120B
D4120	D4120B	D4120W	D4240	D4P120	D4P120B
LD4120BH	LD4120BX	LD4P120BH	LD4P120BX	P270-3000PL	PD4120B
RD4120B	YD4120B	YD4P120B			

Manufactured date range: August 27, 2012 to September 20, 2012 (Date code range 2085 to 2093: defined as; 2 = year, 08 = August, 5 = 5th week of the month). Date code location shown below.

System Sensor has identified an LED indication issue that is only present when **two** sensors are incorrectly installed to one power board. This bulletin does not apply to installations configured with **one** sensor and one power board.

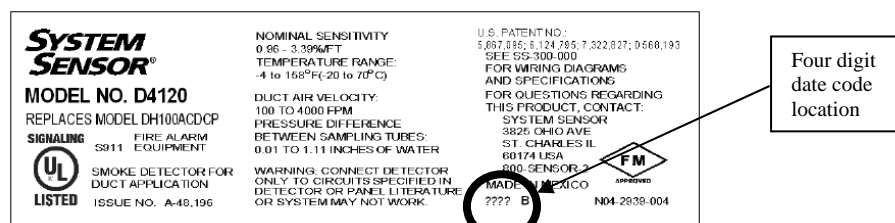
For the configuration of **two** sensors to one power board, it is required to adjust the middle dip switch on the power board to indicate **two** sensors (as stated in the installation manual). If **two** sensors are connected to one powerboard and the dip switch is appropriately set for **two** sensors, there is no issue.

If **two** sensors are connected to one powerboard and the dip switch setting is incorrectly set to **one** sensor, the supervisory relay will operate as normal (terminals 3 and 14 are open). A trouble signal will appropriately be sent to the Fire Alarm Control Panel, if connected, to indicate the second sensor is not operational.

Normally, a solid amber trouble LED should result on the power board for this incorrect setting. However, no trouble LED indication is provided on the power board for the second sensor with the incorrect switch setting on units manufactured within the date range above.

If the dip switch setting was verified to match the number of sensors during installation and proper testing was conducted to verify operation of the second sensor per NFPA and the installation manual, no additional actions need to be taken.

System Sensor has corrected this issue on products shipped after October 4, 2012 (date codes 2101 and after). Should you require additional information, please contact System Sensor Technical Services at the number below.



SYSTEM SENSOR
MODEL NO. D4120
 REPLACES MODEL DH100ACDCP
 SIGNALING: FIRE ALARM EQUIPMENT (S911)
 SMOKE DETECTOR FOR DUCT APPLICATION
 ISSUE NO. A-48,196

NOMINAL SENSITIVITY: 0.86 - 3.39%/FT
 TEMPERATURE RANGE: -4 to 168°F (-20 to 70°C)
 DUCT AIR VELOCITY: 100 TO 4000 FPM
 PRESSURE DIFFERENCE BETWEEN SAMPLING TUBES: 0.01 TO 1.11 INCHES OF WATER
 WARNING: CONNECT DETECTOR ONLY TO CIRCUITS SPECIFIED IN DETECTOR OR PANEL LITERATURE OR SYSTEM MAY NOT WORK.

U.S. PATENT NO.: 5,887,085; 6,124,785; 7,322,827; 6,668,193
 SEE SS-300-000 FOR WIRING DIAGRAMS AND SPECIFICATIONS
 FOR QUESTIONS REGARDING THIS PRODUCT, CONTACT: SYSTEM SENSOR
 3825 OHIO AVE. ST. CHARLES, IL 60174 USA
 800-SENSOR2
 MADE IN MEXICO
 FM APPROVED
 N04-2838-004

2085

Four digit date code location

If you have any questions concerning System Sensor products or their applications, please contact Technical Services at 1-800-SENSOR2 (736-7672), extension 2.