



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 2419	4-May-2010	Number 17	Issue date 1-May-2024	30-Apr-2025

Page 1 of 2

Product designation

InnovairFlex™, Model D2-AUS, duct sampling unit

(Refer to the Schedule/enclosures for further specified details)

Agent/distributor

Pertronic Industries Pty Limited
Unit B2, Hallmarc Business Park, 2A Westall Road, SPRINGVALE, VIC, AUSTRALIA, 3171

Registrant

System Sensor, Ltd
3825 Ohio Avenue, ST CHARLES, IL, UNITED STATES, 60174

Producer

System Sensor, Ltd
3825 Ohio Avenue, ST CHARLES, IL, UNITED STATES, 60174

Conformance criteria and evaluation

The InnovairFlex™, Model D2-AUS, duct sampling unit has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 1603.13-1998, 'Automatic fire detection and alarm systems - Duct sampling units'.

Limitations/conditions of conformance

Limitations/conditions of conformance, where identified on this certificate, are derived from qualifications from evaluation(s) for conformity and/or other related technical documentation. All details with respect to design, assembly and installation instructions and restrictions should be checked against the producer's current technical manual/data sheets and the requirements of the Authority having Jurisdiction.

Specified limitations/conditions, determined from the evaluation for conformity, include the following.

- i. the unit is used in conjunction with the one of the following smoke detectors.
 - a. System Sensor, Model 2151BAUS, or
 - b. System Sensor, Model 2151BPI, or
 - c. Honeywell, Model 2600M.
- ii. Compatibility of the fire detector and its base assembly with new or existing control and indicating equipment should be verified prior to installation.
- iii. the extended air-speed operating ranges of the unit of less than 1 m/s and greater than 8 m/s were have not been verified.
- iv. operation of the unit at temperatures below -10°C has not been verified.
- v. the unit is used in indoor dry environments.

Issued by

Kaj Loh
Executive Officer – ActivFire Scheme



Schedule to Certificate of Conformity

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Page 2 of 2

(Limitations/conditions of conformance continue)

- vi. the unit is installed and maintained as recommended by the manufacturer.
- vii. the unit is not used with the remote test coil accessory described in the Installation Instructions.
- viii. the unit is supplied with labels in accordance with the conformance criteria.

Producer's description

The InnovairFlex™, Model D2-AUS, duct sampling unit includes a housing for plug-in type smoke detectors for detection of smoke in air-handling ducts.

The combination of housing and detector provided by the Model D2-AUS utilizes photoelectric technology for the detection of smoke. When sufficient smoke is sensed, an alarm signal is initiated at the compatible control and indicating equipment (CIE).

The Model D2-AUS unit consists of the following components:

- InnovairFlex Model D2-AUS DSU housing and cover, sampling tube and exhaust tube, and
- System Sensor 2151BAUS or 2151BPI, or Honeywell 2600M, conventional photoelectric smoke detector and compatible base.

The alarm state of the Model D2-AUS is indicated by the illumination of a LED fitted to the detector.

Technical specification

The following details are a representative extract of the technical specification for the InnovairFlex™, Model D2-AUS, duct sampling unit and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Evaluated components

Product assembly designation		
InnovairFlex™, Model D2-AUS, duct sampling unit		
Detector (photoelectric) component designation	Base designation	Base + detector circuit type
System Sensor, Model 2151BAUS	System Sensor, Model B401	Conventional
System Sensor, Model 2151BPI		
Honeywell, Model 2600M		

Nominal sensitivity:	4.0 %obs/m
Operating voltages:	8.5 – 35 Vdc
Quiescent current/voltage:	60 mA (average), 120 mA (peak)
Alarm current:	130 mA
Operating temperature range:	-10 to 70°C
Humidity range:	0 to 93 %RH