



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 2483	19-Apr-2011	Number 11	Issue date 26-Apr-2019	30-Apr-2020

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Product designation

InnovairFlex™, Model DNR-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 DNR-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 DSU is used in conjunction with the combinations of compatible fire detectors and CIE as detailed above.
- ii. Compatibility of this assembly fire detector head with new or existing control and indicating equipment should be verified prior to installation.
- iii. The manufacturer's specified extended air-speed operating ranges of the DSU of less than 1 m/s and greater than 8 m/s were have not been verified.
- iv. Operation of the DSU at temperatures below -10°C has not been verified.
- v. The DSU is used in indoor dry environments.

(Limitations/conditions of conformance continue)

Issued by

David Whittaker
Executive Officer – ActivFire Scheme



Schedule to Certificate of Conformity

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- vi. The DSU is not used with the remote test coil accessory described in the installation instructions.
- vii. Production units of the DSU to be supplied with labels conforming to the conformance criteria.

Producer's description

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

The combination of housing and smoke detector provided by the this equipment 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 DNR-AUS unit consists of the following components:

- InnovairFlex Model DNR-AUS DSU housing and cover, sampling tube and exhaust tube, and
- Addressable photoelectric smoke detectors and compatible base, models System Sensor 2251BAUS, Honeywell TC806B1076AUS, Notifier Model FSP-851AUS, Pertronic 2251BPI or Honeywell Security TC2700.

The alarm state of this equipment transmitted to the compatible CIE and 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 DNR-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 DNR-AUS, duct sampling unit				
Detector (photoelectric) component designation	Nominal sensitivity	Control and indicating equipment	Base designation	Base + detector circuit type
Notifier, FSP-851AUS	1.2 to 6.6% obs/m	Notifier, AFP-2800	Base is integral to the product assembly	Analogue Addressable
System Sensor, 2251BAUS	1.2 to 6.6% obs/m			
Honeywell, TC806B1076AUS	1.2 to 6.6% obs/m	Honeywell, XLS-2000		
Pertronic, 2251BPI	2.8 to 6.6% obs/m	Pertronic, F120A		
Honeywell, TC2700	6.6 % obs/m	Honeywell, BC216		

Operating temperature range: -10 to 70°C

Humidity range: 0 to 93 % Relative Humidity Non-condensing