

CSIRO Verification Services Clayton, Victoria, Australia +61 13 0036 3400 https://activfire.csiro.au

Certificate of Conformity

Certificate num.	Registration date	Ve	ersion	Valid until	
ofn 2492	19-Apr-2011	Number	Issue date	20 Apr 2025	Page 1 of 2
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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)

This certification is issued within the scope of CSIRO Verification Services – Rules governing ActivFire Scheme and is valid only for the product(s) as submitted for evaluation and verification of conformity, subject to the following conditions.

- Reference to details, limitations and requirements, where documented as a schedule/enclosure with this certificate.
- The Registrant is responsible for their attestation of conformity and ensuring that on-going production complies with the conformance criteria defined in this certificate.
- This certificate will not be valid if any changes or modifications are made to the product which have not been notified and validated by CSIRO Verification Services.
- This certificate is subject to periodical re-validation upon verification that all requirements, as determined by the conformity assessment body, continue to be satisfactorily met by the Registrant.
- This certificate may only be reproduced in its published form, without modification and inclusive of all schedules/enclosures.
- Any changes, errors or omissions, must be submitted in writing and if necessary or requested, substantiated with relevant evidence.
- Any representations, such as advertising or other marketing related activities or articles shall reflect the correct contents of this certificate and conform with all relevant trade practices .and consumer protection legislation and regulations.
- Any terms or conditions of use as applicable to content and documentation as published or accessed through web sites administered by the CSIRO Verification Services.

Issued by

Kaj Loh

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								
Notifier, FSP-851AUS	1.2 to 6.6% obs/m	Notifier AFD 2000	Base is integral to the product	Analogue Addressable				
System Sensor, 2251BAUS	1.2 to 6.6% obs/m	Notifier, AFP-2800						
Honeywell, TC806B1076AUS	1.2 to 6.6% obs/m	Honeywell, XLS-2000						
Pertronic, 2251BPI	2.8 to 6.6% obs/m	Pertronic, F120A	assembly					
Honeywell, TC2700	6.6 % obs/m	Honeywell, BC216						

Operating temperature range: -10 to 70°C

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