



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3017	19-Feb-2016	Number 3	Issue date 1-May-2018	30-Apr-2019

Page 1 of 2

Product designation

Pertronic, Model 9251BPI Intelligent FFAST™ XT, Fire Alarm Aspiration Sensing Technology®
(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 Pertronic, Model 9251BPI Intelligent FFAST™ XT, Fire Alarm Aspiration Sensing Technology® has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 1603.8-1996, 'Automatic fire detection and alarm systems - Multi-point aspirated smoke detectors'.

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. Compatibility of this fire detector with new or existing control and indicating equipment should be verified prior to installation.
- ii. Functional connectivity with the Pertronic, F120A, as established from evaluation.

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

David Whittaker
Executive Officer – ActivFire Scheme



Schedule to Certificate of Conformity

Certificate num.	Registration date	Version		Valid until	Page 2 of 2
afp - 3017	19-Feb-2016	Number 3	Issue date 1-May-2018	30-Apr-2019	

Producer's description

The Pertronic, Model 9251BPI Intelligent FFAST™ XT, Fire Alarm Aspiration Sensing Technology® combines particle separation with dual source optical smoke detection technology to provide Very Early Warning Fire Detection while providing enhanced immunity to false alarms.

Installed equipment can protect up to 2,676 sq. m. in standard coverage type applications

Technical specification

The following details are a representative extract of the technical specification for the Pertronic, Model 9251BPI Intelligent FFAST™ XT, Fire Alarm Aspiration Sensing Technology® and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Schedule of properties/characteristics

The following schedule is an extract of physical and operational properties/characteristics of the certified/listed equipment.

Connection	
Connection type	Addressable
Protocol	Classic Loop Interface Protocol (CLIP)
Electrical characteristics	
External supply voltage	18 – 30 Vdc
Average SLC operating current	700µA
Power reset	1 sec
Relay contact ratings	3.0A @ 30Vdc, 0.5A @125Vac
Environmental ratings	
Operating temperature	0°C (32°F) to 38°C (100°F) Factory tested to 131°F (55°C)
Sampled air temperature	-20°C (4°F) to 60°C (140°F)
Humidity	10 to 95% non-condensing

System design tool

Designation	Version
PipelQ	2.0

Supplementary information

Schedule of relevant articles

The following schedule is an extract of articles significant and/or related as evidence of conformity.

Reference		Title / description	Date issued (or date validated)	Source
Ident. type	Ident.			
Report	XF2898/R1	Evaluation for conformity of the Pertronic Model 9251BPI FFAST, aspirating smoke detector to the requirements of AS 1603.8-1996	10 Nov 2015	CSIRO, Fire Systems and Acoustics
Manual	I56-4250-001	INSTALLATION AND MAINTENANCE INSTRUCTIONS 9251BPI Intelligent FFAST™ Fire Alarm Aspiration Sensing Technology	21-Oct-2015	Pertronic Industries Pty Limited, SPRINGVALE, VIC, AU