



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 2989	3-Jul-2015	Number 5	Issue date 1-May-2018	30-Apr-2019

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Product designation

System Sensor FFAST™ LT, FL20 Series, aspirating smoke detector

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

Agent/distributor

System Sensor
PO Box 105, GISBORNE, VIC, AUSTRALIA, 3437

Registrant

System Sensor Europe
Javastrasse 2, Unit C2, Foundry Lane, HEGNAU, SWITZERLAND, CH-8604

Producer

Pittway Tecnologica Srl
Via Caboto 19/3, ITALY, 34147

Conformance criteria and evaluation

The System Sensor FFAST™ LT, FL20 Series, aspirating smoke detector 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.

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

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Producer's description

The System Sensor FFAST™ LT, FL20 Series, aspirating smoke detector is part of the Fire Alarm Aspiration Sensing Technology® (FAAST) family. FFAST is an advanced fire detection system for use where early warning and very early warning are a requirement. The system continuously draws air from the controlled environment through a series of sampling holes to monitor the environment for smoke particulate.

Technical specification

The following details are a representative extract of the technical specification for the System Sensor FFAST™ LT, FL20 Series, aspirating smoke detector and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Schedule of variant designations

The following is a schedule of validated variant designations of the certified/listed equipment.

Brand	Variant		Description
	Type	Ident.	
FAAST™ LT	Model	FL2011EI	addressable single-channel, single detector
		FL2012EI	addressable single-channel, dual detector (coincident)
		FL2022EI	addressable dual-channel, dual detector

Schedule of properties/characteristics

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

Voltage range:	18.5 - 31.5 Vdc
Supply current:	1 Channel: 170 mA (typical); 360 mA (max) @ 24 Vdc 25°C (excluding sounders)
	2 Channel: 270 mA (typical); 570 mA (max) @ 24 Vdc 25°C (excluding sounders)
Configurable input: activation time	2s (min)
Relay contact ratings:	2.0 A @ 30 Vdc, 0.5A @ 30 Vac
Environmental ratings	
Temperature:	-10°C to 55°C
Relative humidity:	10% to 93% (non-condensing)
IP rating:	65
Mechanical	
Exterior dimensions:	403 mm H x 356 mm W x 135 mm D
Wiring:	0.5 mm² to 2 mm² max
Maximum single pipe length:	100 m (Classes A, B & C)
Maximum number of holes:	Refer Installation Guide

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	XF2830/R2	Evaluation for conformity of the System Sensor FFAST LT FL20 series, aspirating smoke detector to abridged requirements of AS 1603.8-1996	5-Jun-2015	CSIRO, Infrastructure Technologies, Fire Systems and Acoustics, AU
Guide	D200-102-00 I56-3888-204	FIRE ALARM ASPIRATION SENSING TECHNOLOGY® QUICK INSTALLATION GUIDE ADDRESSABLE FFAST LT MODELS FL2011EI, FL2012EI AND FL2022EI	20-Mar-2015	System Sensor Europe, Pittway Tecnologica S.r.l., IT