



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3673	21-Apr-2022	Number 2	Issue date 13-Apr-2023	30-Apr-2024

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Product designation

Xtralis®, FAAST FLEX series, aspirating smoke detection system

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

Agent/distributor

Xtralis Pty Ltd

4 North Drive, Virginia Park, 236-262 East Boundary Road, BENTLEIGH EAST, VIC, AUSTRALIA, 3165

Registrant

Honeywell Products & Solutions Sàrl

Z.A. La pièce 16 Rolle, VAUD, SWITZERLAND, CH-1180 ROLLE

Producer

Honeywell Products & Solutions Sàrl

Z.A. La pièce 16 Rolle, VAUD, SWITZERLAND, CH-1180 ROLLE

Conformance criteria and evaluation

The Xtralis®, FAAST FLEX series, aspirating smoke detection system has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 7240.20-2012, 'Fire detection and alarm systems - Part 20: Aspirating 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 Fire Detection Control and Indicating Equipment (FDCIE) 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

Kai Loh

Executive Officer – ActivFire Scheme



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Producer's description

The Xtralis®, FAAST FLEX series, aspirating smoke detection system provides early warning detection using a dedicated medium sensitivity smoke sensor.

There are two variants, one channel (Model FAAST FLEX FLX-010) and two channels (Model FAAST FLEX FLX-020) basing on number of sensing lines. Each sensing channel consists of an inlet, a metallic filter, a sensing element and a flow monitoring system.

This equipment has a single aspirator and a single exhaust outlet.

The Xtralis®, FAAST FLEX series, aspirating smoke detection system is powered by an external 24 Vdc power supply. Front panel LEDs indicate power, fault, and alarm status, and fault relays are activated in normal operation, and open in the event of a fault to notify monitoring systems. One General Purpose Input (GPI) is also provided.

Configuration of this equipment is typically via DIP switches on the circuit board. The circuit board also has a USB port that can be used by maintenance technicians to download event logs.

All models in the Xtralis®, FAAST FLEX series, aspirating smoke detection system are the same physical size, 280 mm x 205 mm x 80.5 mm.

Technical specification

The following details are a representative extract of the technical specification for the Xtralis®, FAAST FLEX series, aspirating smoke detection system 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.

Variant		Description
Type	Ident.	
Ordering	FLX-010	FAAST FLEX 1-pipe Stand-alone
Code	FLX-020	FAAST FLEX 2-pipe Stand-alone

Schedule of properties/characteristics

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

Electrical specifications			
Detector dynamic sensitivity			
Supply voltage	24 Vdc (18 – 30 Vdc)		
Maximum power consumption	Single pipe: 400 mA @24 Vdc Dual pipe: 450 mA @24 Vdc		
Relays	3 per channel, Pre-alarm, Alarm and Fault 2A @30V		
Detector sensitivity range	0.05%obs/m to 6.56%obs/m (0.164%obs/ ft – 21.5%obs/ft)		
Environmental specifications			
Operating conditions			
Operating temperature	-40 °C to 55 °C		
Sampled air temperature	-40 °C to 55 °C		
Humidity	10-93% RH		
Ingress protection rating	IP30		
General specifications			
Flow sensor number	1 per channel		
Level of alarm	Pre-alarm & Alarm per channel		
Fan setting	Adjustable		
Area coverage	Single chamber: 1,600 m² (17,200 sq.ft) Dual chamber: 2,000 m² (21,527 sq.ft)		
Pipe network layout	Single pipe	Linear pipe length	1 x 105 m (344 ft)
		Branch pipe length	2 x 105 m (344 ft)
			4 x 68 m (223 ft)
	Dual pipe:	Linear pipe length	2 x 105 m (344 ft)
		Branch pipe length	4 x 105 m (344 ft)
			8 x 49 m (161 ft)

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Sampling holes	Single chamber: A, B, C: 5, 15, 32 Dual chamber: A, B, C: 8, 28, 56
General Purpose Input (GPI)	Reset, Disable, Stand-by, Mains Ok
Out-of-box configuration	DIP Switches
Field replaceable components	Mesh filter, Chamber, Fan
Data logging	Configuration, logged events and data
Communication	USB & Bluetooth
Mechanical specifications	
Dimensions (WHD)	280 mm x 205 mm x 80.5 mm
Weight	1.7 kg
Display panel	LED

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 Number	XF3490/R1	Evaluation for conformity of the Xtralis FFAST FLEX Series, Aspirating Smoke Detector to the requirements of AS 7240.20-2012	28-Mar-2022	CSIRO, Fire Systems Laboratory
Doc. No	36502_00	xtralis® FAAST FLEX™ TECHNICAL SPECIFICATIONS	Jul-2021	Honeywell Products & Solutions Sarl
	I56-7020-000	xtralis® FAAST FLEX Product Guide FLX-010 FLX-020	Oct-2021	