



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 1140	12-Nov-1997	Number 15	Issue date 1-May-2019	30-Apr-2020

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Product designation

Notifier, Model LPX-751, adjustable nom. sens. (S)=1% obs./m to 5% obs./m, photoelectric smoke detector

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

Agent/distributor

Honeywell Security and Fire
9 Columbia Way, BAULKHAM HILLS, NSW, AUSTRALIA, 2153

Registrant

Honeywell Security and Fire
9 Columbia Way, BAULKHAM HILLS, NSW, AUSTRALIA, 2153

Producer

System Sensor, Ltd
3825 Ohio Avenue, ST CHARLES, IL, UNITED STATES, 60174

Conformance criteria and evaluation

The Notifier, Model LPX-751, adjustable nom. sens. (S)=1% obs./m to 5% obs./m, photoelectric smoke detector has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 1603.2-1997, 'Automatic fire detection and alarm systems - Point type 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. Connection to a Notifier model AFP-400 CIE with release 2.0 firmware or equivalent, and alarm threshold levels as detailed in the Technical Specifications.
- ii. Detectors nominal sensitivity (S) is displayed by the compatible CIE.
- iii. When set at the sensitivity levels, as detailed in the technical specifications, having a required 90 day stability test period to determine suitability for use.
- iv. Compatibility of this fire detector and its base assembly with new or existing control and indicating equipment should be verified prior to installation.

Issued by

David Whittaker
Executive Officer – ActivFire Scheme



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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.

Schedule to Certificate of Conformity

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Producer's description

The Notifier, Model LPX-751, adjustable nom. sens. (S)=1% obs./m to 5% obs./m, photoelectric smoke detector is an analogue addressable type smoke detector intended for use as an actuating device in a fire system of the type detailed in AS 1670.

The smoke detector has an optical sensing chamber consisting of a pulsing laser diode with integral focusing lens and a receiver as the sensing element. Smoke entering the sensing chamber scatters pulsed light emitted from the laser diode onto a photo receiver. Smoke density is registered as scattered light intensity at the photo receiver.

In the quiescent state, the two LEDs on the smoke detector cover are green in colour and blink every 5 seconds to indicate power is applied and the detector is communicating with the CIE. In the alarm condition, the smoke detector LEDs are red in colour and are the permanently ON state.

Technical specification

The following details are a representative extract of the technical specification for the Notifier, Model LPX-751, adjustable nom. sens. (S)=1% obs./m to 5% obs./m, photoelectric smoke detector and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Detector type:	Photoelectric (laser diode)
Operating temperature range:	-10°C to +49°C
Operating humidity range:	10% to 93%RH (non condensing)
Size:	Diameter 104 mm Height 42 mm (with base assembly)
Feature:	Test magnet

Alarm Threshold Levels

Notifier AFP-400 CIE alarm level	Nominal sensitivity, (S) %obs./m	Alarm threshold level Pulse width (PW4) µS
AL1	1	60
AL2	1.5	115
AL3	2	25
AL4	2.5	525
AL5	3	800
AL6	3.5	1350
AL7	4	1610
AL8	4.5	1740
AL9	5	2000

Tested base designation	Base + detector circuit type
Notifier, Model B501	Analogue Addressable
System Sensor, Model B501	Analogue Addressable
System Sensor, Model B501BH	Analogue Addressable