



# Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
<b>afp - 1046</b>	10-Dec-1996	Number 15	Issue date 1-May-2019	30-Apr-2020

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## Product designation

**Notifier, Model DHX-502, (with Notifier, model SDX-551 p/e smoke detector), duct probe 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 DHX-502, (with Notifier, model SDX-551 p/e smoke detector), duct probe smoke detector has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. SSL Test Specification FTS-114, Version 2.0, 'Duct Probe 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. Use in conjunction with the Notifier SDX-551 analogue photo-electric smoke detector under the environmental conditions for which the smoke detector is rated by the manufacturer, ie 0° to 49°C and 10% to 93% relative humidity.
- ii. Use in conjunction with the Notifier ID-200 CIE (with version no. 73530 software) and configured to the "HIGH" detector (panel) setting (pulse width = 1700 µs).
- iii. Use in ducts where velocities range from 1 to 8 m/s and the pressure differential between the duct smoke detector's housing inlet and outlet ranges from 0.9 to 52 Pa.
- iv. Installation, operation and maintenance in accordance with relevant and current installation instructions (Ref.: part num. 156-507-01).

Issued by

David Whittaker  
Executive Officer – ActivFire Scheme



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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- v. Compatibility of this fire detector and its base assembly with new or existing control and indicating equipment should be verified prior to installation.

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## Producer's description

The Notifier, Model DHX-502, (with Notifier, model SDX-551 p/e smoke detector), duct probe smoke detector consists of a sealed detector chamber and a separate chamber containing the wire termination facilities in an integral unit of normal dimensions of length (367 mm), width (126 mm) and height (95 mm). The housing is constructed of plastic and has a removable transparent lid which allows visual confirmation of detector status and wire termination.

When positioned in a duct, as per the manufacturer's instructions, air is drawn through the inlet sampling tube, into the housing chamber where the smoke detector is located and then returned to the duct through the outlet sampling tube. Air from the duct is sampled by the smoke detector in the detector housing chamber. When the smoke concentration exceeds the smoke detector's sensitivity setting, an alarm is generated at the CIE. The sensitivity of the smoke detector is determined by the CIE software settings.

Reference to the Notifier, Model DHX-502, (with Notifier, model SDX-551 p/e smoke detector), duct probe smoke detector data sheet (part no. 156-507-01) provides information for the mounting, servicing and testing of the unit.

## Technical specification

The following details are a representative extract of the technical specification for the Notifier, Model DHX-502, (with Notifier, model SDX-551 p/e smoke detector), duct probe smoke detector and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

For use in ducts where the duct air velocity ranged from 1 to 8 m/s and a pressure differential of between 0.9 and 52 Pa exists between the duct smoke detector's housing inlet and outlet.

### Evaluated detector components

Notifier, Model SDX-551

### Tested base designation

Notifier, Model B501

### Base + detector circuit type

Analogue Addressable

For details of smoke detector component(s) listed for use with this product refer to the relevant Product Listing Data Sheet for the Notifier smoke detector (afp - 1047).