



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 1047	10-Dec-1996	Number 15	Issue date 1-May-2019	30-Apr-2020

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Product designation

Notifier, Model SDX-551, high sens. 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 SDX-551, high sens. photoelectric smoke detector has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 1603.1-1990, 'Automatic fire detection and alarm systems - Heat detectors' incl. Amdt 1 (April 1995).

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. The detector is used in conjunction with compatible control and Indicating Equipment (CIE), with an alarm pulse width of 1700 μ S (ie. control equipment which actuates at an equivalent alarm threshold to the test configuration, being the Notifier model ID-200 series, with software version no. 73530 (I/6195).
- ii. The CIE must have means of indicating that the detector sensitivity is set HIGH, and
- iii. Installation, operation and maintenance as stated in the product's installation instructions. (Ref. part num. 156-309-03)
- 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



Schedule to Certificate of Conformity

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Producer's description

The Notifier SDX-551 analogue photo-electric smoke detector is intended for use as an actuating device in a fire alarm system of the type detailed by AS 1670. The smoke detector has an optical sensing chamber consisting of a pulsing LED and a photo-diode as the sensing element. An alarm condition is registered by the detector when light is scattered onto the photo-diode from two successive burst of light emitted from the LED. In the quiescent state, the LEDs flash indicating power is applied and the detector is communicating with the control panel. In the alarm condition the smoke detector LED is permanently in the ON state.

The smoke detector is designed to be connected to a two-wire system. and is mounted onto the System Sensor model B501 base. Operating voltage of the detector is between 15-32 Vdc (peak) and with a maximum standby current of 230 μ A at 24 Vdc.

Reference to the Notifier SDX-551 Point of Sale Information (part no. 156-309-03) provides information for the installation, servicing and testing of the unit.

Technical specification

The following details are a representative extract of the technical specification for the Notifier, Model SDX-551, high sens. 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.

Operating voltage:	15-32 Vdc (peak)
Maximum standby current:	230 μ A @ 24 Vdc
LED current:	6.5 mA @ 24 Vdc
Operating temperature range:	0° to 49° C
Operating humidity range:	10% to 93% Relative Humidity
Diameter (installed):	104 mm
Height:	58 mm

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