



# Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
<b>afp - 1725</b>	21-Feb-2005	Number 17	Issue date 1-May-2020	30-Apr-2021

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## Product designation

**Honeywell, Model 1700, nom. sens. (S)=0.4 MIC X, ionisation 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 Honeywell, Model 1700, nom. sens. (S)=0.4 MIC X, ionisation 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' incl. Amdt 1 (August 1998).

## 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 with the Firetronix (Pertronic), Model F100A, control and indicating equipment with the CIE detector sensitivity settings at level 1.
- ii. Compatibility of the detector and base assemblies 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 Honeywell, Model 1700, nom. sens. (S)=0.4 MIC X, ionisation smoke detector uses an ionisation chamber containing a radioactive source, AM241, for sensing smoke. When enough smoke has entered the sensing chamber of the smoke detector the electronic circuit triggers and the alarm state is entered.

Two LEDs on each detector provide a local, visible detector indication. In alarm, the detector has a latching feature causing the LEDs to illuminate continuously. The detector may be tested in-situ by using a test magnet to activate the test feature or aerosol generator applied until the CIE enters the alarm state. Once activated, the detector must be reset at the CIE.

This detector requires a compatible addressable communications protocol.

## Technical specification

The following details are a representative extract of the technical specification for the Honeywell, Model 1700, nom. sens. (S)=0.4 MIC X, ionisation smoke detector and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

### Specifications:

<b>Operating voltage range:</b>	15 to 32 Vdc
<b>Quiescent current:</b>	300 $\mu$ A @ 24 Vdc (one communication every 5 seconds with LED blink enabled)
<b>Maximum alarm current (LED On):</b>	6.5 mA @ 24 Vdc
<b>Nominal sensitivity (S):</b>	0.4 MIC X
<b>Source:</b>	Americium 241, 20kBq
<b>Operating temperature range:</b>	0°C to 49°C
<b>Operating humidity range:</b>	10% to 93% relative humidity, noncondensing
<b>Height:</b>	48 mm
<b>Diameter:</b>	104 mm

Tested Base Designation	Base + Detector Circuit Type
System Sensor, Model B501	Analogue Addressable