



# Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
<b>afp - 1142</b>	24-Apr-1998	Number 10	Issue date 1-May-2016	30-Apr-2017

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## Product designation

**Fenwal, Model CPD 7051, normal sens. ionisation smoke detector**

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

## Agent/distributor

Kidde Australia  
Unit 3, Ground Floor, 10 Ferntree Place, NOTTING HILL, VIC, AUSTRALIA, 3168

## Registrant

Kidde Australia  
Unit 3, Ground Floor, 10 Ferntree Place, NOTTING HILL, VIC, AUSTRALIA, 3168

### Producer

Kidde-Fenwal Inc.  
400 Main Street, ASHLAND, MA, UNITED STATES, 01721

## Conformance criteria and evaluation

The Fenwal, Model CPD 7051, normal sens. ionisation smoke detector has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 1603.2-1990, 'Automatic fire detection and alarm systems - Point type smoke detectors' incl. Amdt 1 (September 1990) / Amdt 2 (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. Compatibility of this fire detector and its base assembly 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 Fenwal, Model CPD 7051, normal sens. ionisation smoke detector, is a dual-chamber, ionization type unit designed to sense both visible and invisible products of combustion. This detector incorporates all advanced solid-state, low-voltage circuitry featuring SMT (Surface Mount Technology) and is designed for 2-wire and 4-wire installation. The 360° smoke entry characteristic permits maximum smoke response from any direction. A unique sensing chamber design permits operation in air velocities up to 2000 FPM.

Detector base options are available to provide for auxiliary test, indication, and/or control functions.

The detector includes a pulsing LED (approximately every 4 seconds) for visual supervision of the functioning detector. Under alarm condition, the LED lights continuously at full brilliance. An optional base is available to provide remote LED function.

A unique gated output circuit design provides improved stability and transient suppression. Special signal processing techniques verify the presence of smoke before the detector will alarm.

## Technical specification

The following details are a representative extract of the technical specification for the Fenwal, Model CPD 7051, normal sens. 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.

<b>Sensing element:</b>	Dual ionization chambers
<b>Operating voltages:</b>	10.2 to 36.8 Vdc
<b>Quiescent current:</b>	45 $\mu$ A
<b>Alarm current:</b>	100 mA
<b>Operating temperature range:</b>	-10° to +55°C (as evaluated)
<b>Operating humidity range:</b>	0% to 93% RH, noncondensing
<b>Dimensions:</b>	99 mm diam.

Tested base designation	Base + detector circuit type
Fenwal, Model 2WRB	Conventional