

# Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
<b>afp - 2718</b>	14-Feb-2012	3	30-Apr-2015	Page 1 of 2

## Product designation

**Hochiki, Model DCD-C3, class CR, heat detector**

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

## Agent/distributor

Hochiki Australia Pty Ltd  
Unit 3, 165 Rookwood Road, YAGOONA, NSW, AUSTRALIA, 2199

## Registrant

Hochiki Corporation  
10 - 43, Kamiosaki 2-Chome, SHINAGAWA-KU, TOKYO, JAPAN, 141

### Producer

Hochiki Corporation  
10 - 43, Kamiosaki 2-Chome, SHINAGAWA-KU, TOKYO, JAPAN, 141

## Conformance criteria and evaluation

The Hochiki, Model DCD-C3, class CR, heat detector has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 7240.5-2004, 'Fire detection and alarm systems - Point type heat detectors (ISO 7240-5:2003, MOD)'.

## 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 Hochiki, Model DCD-C3, class CR, heat detector is a Rate of Rise Heat Detector with a 90°C fixed temperature element using a thermistor and linearising circuit to provide an accurate linear response heat detector.

This device is ideal for use where medium ambient temperatures exist, such as drying rooms or where smoke detectors are unsuitable because of the presence of steam or cooking fumes such as in a kitchen.

The Hochiki, Model DCD-C3, class CR, heat detector is supported by a wide range of bases for different applications and these are supported on the majority of conventional systems. A third terminal provides remote indicator output.

## Technical specification

The following details are a representative extract of the technical specification for the Hochiki, Model DCD-C3, class CR, heat 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:	9.5 - 30Vdc
Quiescent current (typ):	35µA
Maximum current in alarm (typ):	80mA
Remote indicator drive:	20mA (max) / 9.5-14mA (typ)
Operating temperature range:	-10°C to +50°C
Storage temperature range:	-30°C to +70°C
Maximum humidity:	95%RH - non condensing (at 40°C)
Ingress protection rating:	IP63
Colour / Case material:	Ivory or White / Polycarbonate
Weight / Diameter / Height:	76 g / 100 mm / 38 mm
Base fixing centres:	48 ~ 74 mm

Verified base designation	Base + detector circuit type
Hochiki, Model YBN-R6	Conventional
Hochiki, Model YBO-R/6PA	Conventional
Hochiki, Model YBN-R/6SK	Conventional
Hochiki, Model YBO-R/6RN	Conventional
Hochiki, Model YBO-R/6RS	Conventional