



# Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
<b>afp - 1590</b>	2-Jun-2003	Number 15	Issue date 16-Feb-2018	30-Apr-2018
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## Product designation

**Hochiki, Model ACA-E, photoelectric and heat Type B, multi-sensor fire detector**  
(Refer to the Schedule/enclosures for further specified details)

## Agent/distributor

Hochiki Australia Pty Ltd  
391 Park Road, REGENTS PARK, NSW, AUSTRALIA, 2143

## Registrant

Hochiki Australia Pty Ltd  
391 Park Road, REGENTS PARK, NSW, AUSTRALIA, 2143

### Producer

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

## Conformance criteria and evaluation

The Hochiki, Model ACA-E, photoelectric and heat Type B, multi-sensor fire detector has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 1603.1-1997, 'Automatic fire detection and alarm systems - Heat detectors' incl. Amdt 1 (August 1998).
2. 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. This equipment is specified by the Producer for connection and use only with Fire detection control and indicating equipment (FDCIE) produced and designated as follows.
  - Kidde Australia Pty Ltd: NFP1, NFP2, Phoenix, FIRENET
  - Kentec Electronics Ltd: Taktis, Syncro AS
- ii. When used as a heat detector, is remotely set to Type B at the FDCIE.
- iii. Its nominal sensitivity is 5.5%obs./m and is identified at the FDCIE.

(Limitations/conditions of conformance continue)

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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iv. The multi-sensor is used in indoor, dry environments.

## Producer's description

The Hochiki, Model ACA-E, photoelectric and heat Type B, multi-sensor fire detector incorporates a thermal element and high performance photoelectric smoke chamber.

## Technical specification

The following details are a representative extract of the technical specification for the Hochiki, Model ACA-E, photoelectric and heat Type B, multi-sensor fire detector and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

### Schedule of properties/characteristics

The following schedule is an extract of physical and operational properties/characteristics of the certified/listed equipment.

Operating voltage	17 - 41Vd.c.
Low power mode (typ)	120 µA
Quiescent current (typ)	450 µA
Alarm current	19 mA
Transmission method	Digital communications using GTP
Operating temperature range	-10° C to + 50° C
Storage temperature range	-30° C to + 60° C
Maximum humidity	95%RH - Non Condensing (at 40° C)
Ingress Protection rating	IP42
Colour / Case material	Ivory / ABS
Weight	100 g
Diameter / Height with base	100 mm / 46 mm
Base fixing centres	48 ~ 74 mm

### Schedule of components and/or assemblies

The following is a schedule of validated components and/or assemblies of the certified/listed equipment.

Tested base designation	Base + detector circuit type
Hochiki, Model YBN-R/2NA	Analogue Addressable
Hochiki, Model YBN-R/3	

## Supplementary information

### Schedule of relevant articles

The following schedule is an extract of articles significant and/or related as evidence of conformity.

Reference		Title / description	Date issued (or date validated)	Source
Ident. type	Ident.			
Report No.	XF1967/R1	Compliance testing of the Hochiki model ACA-E multi-sensor to AS 1603.1-1997 (including amendment 1) and to AS 1603.2-1997 (including amendment 1)	17-Jun-2003	Scientific Services Laboratory, AU
Specification	ACA-E Specification(HAU) Iss/v2/	Hochiki Analogue Multi-Sensor ACA-E (ACA-E Specification(HAU)310118.pdf)	31-Jan-2018	Hochiki Australia Pty Ltd, AU