



# Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
<b>afp - 57</b>	30-Aug-1989	Number 9	Issue date 30-Apr-2015	30-Apr-2016

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## Product designation

**Hochiki, Model HF-24A Mk I, ultraviolet flame detector**

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

## Agent/distributor

Fire & Safety Products (A/Asia) Pty. Ltd.  
41-45 Richmond Road, KESWICK, SA, AUSTRALIA, 5035

## Registrant

Fire & Safety Products (A/Asia) Pty. Ltd.  
41-45 Richmond Road, KESWICK, SA, AUSTRALIA, 5035

## Producer

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

## Conformance criteria and evaluation

The Hochiki, Model HF-24A Mk I, ultraviolet flame detector has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. SSL Major Report No. 184:June-1977, 'Comparative Performance of Flame Detectors'.

## 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 Hochiki, Model HF-24A Mk I, ultraviolet flame detector is subject to false alarm from UV radiation other than fires and this factor should be considered while designing the installation.
- ii. Compatibility of this fire detector 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 HF-24A Mk I, ultraviolet flame detector, which uses a UV tube, absorbs feeble ultraviolet light contained in flames and detects them in a form of a discharge pulse train with the help of the photoelectric effect and electron avalanche phenomenon.

An internal counter circuit is designed to prevent malfunctions from taking place due to single-shot or momentary UV rays from lightning and cosmic radiation.

## Technical specification

The following details are a representative extract of the technical specification for the Hochiki, Model HF-24A Mk I, ultraviolet flame detector and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

<b>Supply voltage:</b>	15.0 to 30.0 Vdc
<b>Supervisory current:</b>	200 $\mu$ A @ 24 Vdc
<b>Surge current:</b>	700 $\mu$ A (max.)
<b>Maximum allowable current:</b>	250 mA @ 25°C
<b>Temperature range:</b>	-10°C to +50°C
<b>Detection angle:</b>	120°
<b>Detection distance:</b>	3 m
<b>Weight:</b>	150 g
<b>Dimensions:</b>	Diameter 100 mm Height (with base) 76 mm