



# Certificate of Conformity

| Certificate num.  | Registration date | Version     | Valid until               |             |
|-------------------|-------------------|-------------|---------------------------|-------------|
| <b>afp - 1531</b> | 30-Aug-2002       | Number<br>7 | Issue date<br>16-Dec-2012 | 30-Apr-2013 |

## Product designation

**Quell, SA502 Series, 9 Vdc battery supply, ionisation smoke alarms**  
(Refer to the Schedule/enclosures for further specified details)

## Agent/distributor

Chubb Fire & Security Ltd  
149-155 Milton Street, ASHFIELD, NSW, AUSTRALIA, 2131

## Registrant

Eyston Company Limited  
B2, 3rd Floor, Fortune Factory Building, 40 Lee Chung Street, CHAI WAN, HONG KONG, CHINA

### Producer

Eyston Company Limited  
B2, 3rd Floor, Fortune Factory Building, 40 Lee Chung Street, CHAI WAN, HONG KONG, CHINA

## Conformance criteria and evaluation

The Quell, SA502 Series, 9 Vdc battery supply, ionisation smoke alarms have been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 3786-1993, 'Smoke alarms' incl. Amdt 1 (April 1995) / Amdt 2 (December 1995) / Amdt 3 (9 November 2001) / Amdt 4 (22 April 2004).

## 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.

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 Quell, SA502 Series, 9 Vdc battery supply, ionisation smoke alarms are low profile, circular styled, 9 Vdc self contained ionisation type smoke alarms intended for use in residential dwellings (domestic smoke alarm). An electric buzzer/horn provides an audible alarm signal when the smoke alarm senses smoke which exceeds a pre-determined level. When the smoke level drops below the alarm level, the buzzer/horn is de-energized. A self test facility is provided by means of a button. If the button is depressed an alarm signal is emitted.

The Quell, SA502 Series, 9 Vdc battery supply, ionisation smoke alarms consists of a two (2) piece plastic moulding which is held together by three (3) wedge shaped tags which locate into the base plate. The base plate contains a PCB on which are mounted the ionisation chamber, terminals for the peizo-electric sounder and other electronic components. A moulded compartment on the base plate is used to house the 9 Vdc battery.

A low battery signal occurs when the internal battery reaches approximately 8.3 Vdc. The signal is provided by a brief sound from the buzzer/horn, approximately once every minute.

## Technical specification

The following details are a representative extract of the technical specification for the Quell, SA502 Series, 9 Vdc battery supply, ionisation smoke alarms and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

|  |  |
|--|--|
| <b>Internal battery voltage:</b>         | 9 Vdc  |
| <b>Recommended battery replacements:</b> | Duracell #MN1604<br>Goldpeak #1604P<br>Eveready #216, Energizer #522 |
| <b>Radioactive source:</b>               | Americium 241  |
| <b>Radioactive level:</b>                | 1 microcurie   |
| <b>Specified smoke alarm life cycle:</b> | 10 years   |

| Model            | Description                              |
|------------------|--|
| SA502 (117803/2) | Single smoke alarm - clamshell packaging |
| SA502 (125895/2) | Twin Pack - clamshell packaging          |