



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 2910	17-Apr-2014	Number 12	Issue date 2-Apr-2024	30-Apr-2025

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Product designation

Eyston, Model SD-1992, 240 Vac powered with 9 Vdc battery backup, silencing/hush facility, interconnectable, photoelectric smoke alarm

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

Agent/distributor

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

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 Eyston, Model SD-1992, 240 Vac powered with 9 Vdc battery backup, silencing/hush facility, interconnectable, photoelectric smoke alarm has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 3786:2014, 'Smoke alarms using scattered light, transmitted light or ionization' incl. Amdt 1 (27 August 2015).
2. 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

Kai Loh

Executive Officer – ActivFire Scheme



Schedule to Certificate of Conformity

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Producer's description

The Eyston, Model SD-1992, 240 Vac powered with 9 Vdc battery backup, silencing/hush facility, interconnectable, photoelectric smoke alarm is an externally energized photoelectric smoke alarm.

The smoke alarm primary power supply is an external 230 Vac supply. The smoke alarm includes a standby power supply from a non-rechargeable battery.

An electric buzzer/horn provides an audible alarm signal when the smoke alarm senses smoke which exceeds a predetermined level. When the smoke level drops below the alarm level, the buzzer/horn is de-energised.

A self-test facility is provided by means of a button. If the button is depressed an alarm signal is emitted.

This product also incorporates a 'hush button' feature with an independent button for its operation. According to the manufacturer's instructions, pressing the hush button reduces the smoke sensitivity of the smoke alarm. The sensitivity is reduced for approximately 8 minutes, at which time the smoke alarm automatically returns to normal operation.

The smoke alarm is circular in shape. It is approximately 143 mm diameter with a height of 60mm. It clips into a circular mounting base with two holes for screws.

Technical specification

The following details are a representative extract of the technical specification for the Eyston, Model SD-1992, 240 Vac powered with 9 Vdc battery backup, silencing/hush facility, interconnectable, photoelectric smoke alarm 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.

Electrical rating	
Operating voltage (max.):	220-240 Vac, 50Hz
Operating current (max.):	40 mA
Backup Battery	
Operating voltage (max.):	9 Vdc
Operating current (max.):	20 mA
Battery type:	6F22
Replacement batteries:	
Carbon-Zinc type:	Eveready #1222; Gold Peak #1604P; Gold Peak #1604S; Gold Peak #1604G
Alkaline type:	Energizer #522; Gold Peak #1604A; Duracell #MN1604
Lithium type:	Ultralife U9VL-J-P; FDK CP-V9J; Gold Peak CR-V9
Environmental	
Operating temperature:	0°C to 45°C.
Relative humidity:	10% to 90%.
Aural signal pattern:	ISO8201

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	XF3111/R1	Evaluation for Conformity of the Eyston Model SD-1992 Photoelectric Smoke Alarm to the requirements of AS 3786:2014 +A1:2015	22-Dec-2017	CSIRO, Fire Systems Laboratory, AU
Instruction sheet	ART-SD1992A-00 REV.05	MODEL SD-1992 ~ SD-5992 AC PHOTOELECTRIC SMOKE & FIRE ALARM WITH DC BATTERY BACKUP	14-Dec-2017	Eyston Company Limited, CN
Report Number	XF2205/R1	Conformity Evaluation of the Eyston Model SD-1992 Photoelectric Smoke Alarm to the requirements of AS 3786-1993 (Incorporating Amendments 1, 2, 3 and 4) 'Smoke Alarms'	29-May-2012	CSIRO, Industrial Research Services, AU