



# Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
<b>afp - 3251</b>	20-Mar-2018	Number 1	Issue date 20-Mar-2018	30-Apr-2019
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## Product designation

**Trader, BESMOKEY, 240 Vac powered with 9 Vdc battery back-up, hush/silencing facility, interconnectable, photoelectric smoke alarm**

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

## Agent/distributor

GSM Electrical Pty Ltd  
Level 2, 142-144 Fullarton Rd, ROSE PARK, AUSTRALIA, 5067

## Registrant

Fyrnetics (Hong Kong) Limited  
10th Floor, Octa Tower, 8 Lam Chak Street, KOWLOON BAY, KOWLOON, HONG KONG

### Producer

Fyrnetics (Hong Kong) Limited  
10th Floor, Octa Tower, 8 Lam Chak Street, KOWLOON BAY, KOWLOON, HONG KONG

## Conformance criteria and evaluation

The Trader, BESMOKEY, 240 Vac powered with 9 Vdc battery back-up, hush/silencing 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. CSIRO Technical Specification TS-007, Version 3: 15-Sep-2016, 'Evaluation for Conformity of smoke alarms to the requirements of AS 3786:2014'.

## 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 Trader, BESMOKEY, 240 Vac powered with 9 Vdc battery back-up, hush/silencing 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 incorporates a 'hush button' feature. According to the manufacturer's instructions, pressing the hush button reduces the smoke sensitivity of the smoke alarm. The sensitivity is reduced for approximately 8-10 minutes, at which time the smoke alarm automatically returns to normal operation.

The Trader, BESMOKEY, 240 Vac powered with 9 Vdc battery back-up, hush/silencing facility, interconnectable, photoelectric smoke alarm is circular in shape. It is approximately 130 mm diameter with a height of 48 mm. 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 Trader, BESMOKEY, 240 Vac powered with 9 Vdc battery back-up, hush/silencing 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 variant designations

The following is a schedule of validated variant designations of the certified/listed equipment.

Variant		Description
Type	Ident.	
Model	BESMOKEY	Trader, BESMOKEY, 1 unit, boxed (1397-7303-00)
		Trader, BESMOKEY, 1 unit, cartooned (1397-7304-00)

### Schedule of properties/characteristics

The following is a schedule of validated variant designations of the certified/listed equipment.

Sensor type:	Type A, Photoelectric
Power: Primary	240V~ Mains powered, 50Hz, 80mA.
Backup	9 Vdc
Replacement battery	Alkaline Type: ENERGIZER 522; DURACELL MN1604, MX1604; Carbon Zinc Type: Gold Peak 1604P.
Interconnectable	Up to 24 units
Alarm volume:	> 85dB(A) at 3 meters.
Silence time:	approx. 8 to 10 minutes
Smoke alarm device sound pattern:	ISO 8201.

## 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	XF3179/R1	Evaluation for Conformity of the TRADER Model BESMOKEY Photoelectric Smoke Alarm to the requirements of AS 3786:2014 +A1:2015	1-Feb-2018	CSIRO, Fire Systems Laboratory, AU
P/N	1397-7205-00	Trader, BESMOKEY, Installation and User Manual Smoke Alarm Photoelectric Design	8-Jan-2018	GSM Electrical (Australia) Pty Ltd, AU
	1397-7303-00	BESMOKEY, Unit Box	15-Jan-2018	
	1397-7404-00	BESMOKEY, Unit Carton		

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Reference		Title / description	Date issued (or date validated)	Source
Ident. type	Ident.			
Report	XF3072/R1	Evaluation for Conformity of the Homeguard Model HG2000 Photoelectric Smoke Alarm to the requirements of AS 3786-2014 +A1:2015	24-Mar-2017	CSIRO, Fire Systems Laboratory, AU