



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3631	17-Sep-2021	Number 5	Issue date 4-Apr-2024	30-Apr-2025

Page 1 of 2

Product designation

DetectOn, Model BR10, 10 year sealed (non-replaceable) lithium battery powered, silencing/hush facility, wireless interconnectable, photoelectric smoke alarm

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

Agent/distributor

DetectOn Pty Ltd
Level 14, 275 Alfred Street, NORTH SYDNEY, NSW, AUSTRALIA, 2060

Conformance criteria and evaluation

The DetectOn, Model BR10, 10 year sealed (non-replaceable) lithium battery powered, silencing/hush facility, wireless 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) / Amdt 2 (30 October 2018).

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



© CSIRO Australia, 2024

This certificate remains the property of CSIRO and may be subject to amendment, suspension or withdrawal at any time.
The validity and authenticity of this certificate can be verified by the certification register located at <https://activfire.csiro.au>

Schedule to Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	Page 2 of 2
afp - 3631	17-Sep-2021	Number 5	Issue date 4-Apr-2024 30-Apr-2025	

Producer's description

The DetectOn, Model BR10, 10 year sealed (non-replaceable) lithium battery powered, silencing/hush facility, wireless interconnectable, photoelectric smoke alarm is a low profile, circular styled, powered with 3Vdc lithium battery intended for use in residential dwellings. The battery is not user replaceable.

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.

The DetectOn, Model BR10, 10 year sealed (non-replaceable) lithium battery powered, silencing/hush facility, wireless interconnectable, photoelectric smoke alarm also incorporates a 'hush button'. 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.

This equipment can be interconnected with other alarms, using wireless radio frequency communication. When interconnected, one smoke alarm entering the alarm state will result in all interconnected devices operate their piezo sounders. The maximum number of interconnected alarms is forty (40).

The DetectOn, Model BR10, 10 year sealed (non-replaceable) lithium battery powered, silencing/hush facility, wireless interconnectable, photoelectric smoke alarm is circular in shape. It is approximately 120 mm diameter with a height of 35 mm.

Technical specification

The following details are a representative extract of the technical specification for the DetectOn, Model BR10, 10 year sealed (non-replaceable) lithium battery powered, silencing/hush facility, wireless 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	BR10	Wireless interconnect smoke alarm unit

Schedule of properties/characteristics

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

Sensor	Photoelectric (Type A)
Power	Built-in 3 Vdc (CR17450) Lithium battery Battery not user replaceable
Alarm volume	> 85 dB(A) at 3 meters.
Hush time	approx. 8 minutes
Wireless interconnection	up to 40 detectors
Sound 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	XF3501/R1	Evaluation for Conformity of DetectOn Model BR10 Photoelectric Smoke Alarm to the requirements of AS 3786:2014 +A1:2015 +A2:2018	27-Aug-2021	CSIRO, Fire Systems Laboratory, AU
Document	BR10 User manual.pdf	Smoke Alarm User Manual Model: BR10	19-Aug-2021	DetectOn Pty Ltd, AU