



# Certificate of Conformity

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## Product designation

**DSC, Model WS4916 AUS, 6 Vdc (2 x 3 Vdc) battery powered, RF linked wireless, photoelectric smoke alarm**

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

## Agent/distributor

DSC Australia / New Zealand  
Unit 1, 2-8 South Street, RYDALMERE, NSW, AUSTRALIA, 2116

## Registrant

Digital Security Controls  
3301 Langstaff Road, CONCORD, ON, CANADA, L4K 4L2

### Producer

Digital Security Controls  
3301 Langstaff Road, CONCORD, ON, CANADA, L4K 4L2

## Conformance criteria and evaluation

The DSC, Model WS4916 AUS, 6 Vdc (2 x 3 Vdc) battery powered, RF linked wireless, photoelectric smoke alarm has 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.

Specified limitations/conditions, determined from the evaluation for conformity, include the following.

- i. The smoke alarm is of the type with heat detection disabled.

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 DSC, Model WS4916 AUS, 6 Vdc (2 x 3 Vdc) battery powered, RF linked wireless, photoelectric smoke alarm includes piezo sounder.

A series pair of 3V CR123A lithium cells powers the smoke alarm.

The smoke alarm has a nominal fixed sensitivity of approximately 2.5 %/ft. obscuration. The smoke alarm will go into alarm when the signal level exceeds the 'alarm' threshold and automatically restores when the signal level falls below the alarm 'restore' threshold. The smoke alarm has a preset warning threshold at 75% of the alarm threshold. If the signal level stays above this threshold, but below the alarm threshold, for more than 120 seconds the detector will go into the 'warning' state. If the signal level falls below the early warning 'restore' threshold the smoke alarm will restore to its normal state automatically. If the signal level rises above the alarm threshold the detector will go into alarm.

The smoke alarm will automatically compensate for long-term environmentally induced changes to maintain a constant smoke sensitivity. The smoke alarm will go into the trouble state when the compensation has reached its high or low limit of adjustment.

The low battery threshold is set so the batteries will provide not less than 14 days of operation and at that point the detector will send a 'low battery' signal. If the battery is still low 7 days after falling through the low battery threshold, the horn will 'chirp' once every 48 seconds until battery failure. During the first 7 days after low battery detection, (non-chirp period), if the smoke alarm is tested or goes into alarm, the horn will 'chirp' once the test or alarm is restored and remain 'chirping' until battery failure.

The smoke alarm / mounting plate is constructed so that the removal of the smoke alarm initiates a 'tamper' transmission. The tamper condition is detected and transmitted immediately. The tamper restore transmission is delayed up to 10 seconds after the smoke alarm is mounted on the plate.

The smoke alarm includes a manual test function. The 'test' can be initiated by either a test button or by a magnet activated reed switch. To put the smoke alarm into 'test', the activation means must be maintained for at least 5 seconds (LED flashing rapidly) at which point the smoke alarm will go into the alarm state, the LED will flash at the alarm rate and the alarm will be transmitted. The smoke alarm will reset to normal after the test switch is released. Allow 20 seconds between 'test' activations.

## Technical specification

The following details are a representative extract of the technical specification for the DSC, Model WS4916 AUS, 6 Vdc (2 x 3 Vdc) battery powered, RF linked wireless, 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.

<b>Ambient temperature range:</b>	5 °C to 45 °C
<b>Primary power supply:</b>	User-replaceable lithium batteries, 2 x CR123A 3V cells
<b>Remote monitoring facility:</b>	Wireless remote monitoring facility.
<b>Status indicators:</b>	
<b>Red LED:</b>	Normal Operation, flashes every 45 s. In alarm, flashes continuously (every 1 s).
<b>Dimensions:</b>	138mm diameter, 52mm high (on included mounting base)