



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3200	13-Dec-2017	Number 6	Issue date 22-Mar-2023	30-Apr-2024

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Product designation

Redback, CF2053 series, type B, outdoor, emergency sound-system horn loudspeakers
(Refer to the Schedule/enclosures for further specified details)

Agent/distributor

Altronic Distributors Pty Ltd
174 Roe Street, PERTH, WA, AUSTRALIA, 6000

Registrant

Altronic Distributors Pty Ltd
174 Roe Street, PERTH, WA, AUSTRALIA, 6000

Producer

Altronic Distributors Pty Ltd
174 Roe Street, PERTH, WA, AUSTRALIA, 6000

Conformance criteria and evaluation

The Redback, CF2053 series, type B, outdoor, emergency sound-system horn loudspeakers has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS ISO 7240.24:2015, 'Fire detection and alarm systems - Part 24: Sound-system loudspeakers'.

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

Kaj Loh
Executive Officer – ActivFire Scheme



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Producer's description

The Redback, CF2053 series, type B, outdoor, emergency sound-system horn loudspeakers are intended to provide emergency warning audible broadcasts either for indoor or outdoor applications.

The Redback, CF2053 series consists of the following model variants:

- CF2053G (Grey)
- CF2053W (White)
- CF2053B (Black)
- CF2053R (Red)

This equipment is fitted with a horn-type speaker driver and are rated for a maximum power output of 10 W when provided with an input signal of 100 Vac. Five taps are provided on the included transformer for operating at a range of output levels.

The Redback, CF2053 series, type B, outdoor, emergency sound-system horn loudspeakers are approximately 275 mm in length, and include a plastic horn in front of the driver, with a throat approximately 170 mm in diameter. The loudspeakers are provided with a screw-down rear cover which is fitted with two cable glands for connection to an emergency sound system. The loudspeakers are also provided with a metal bracket for wall or ceiling mounting.

This equipment is intended for both indoor and outdoor applications

Technical specification

The following details are a representative extract of the technical specification for the Redback, CF2053 series, type B, outdoor, emergency sound-system horn loudspeakers 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	Colour
Type	Ident.		
Model	CF2053G	Type A, indoor, flush-mount, emergency sound-system loudspeaker	Grey
	CF2053B		Black
	CF2053R		Red
	CF2053W		White

Schedule of properties/characteristics

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

Rated noise power	10 Watts (100V line)
Power taps & impedance (100V line)	1.25W (8k Ω), 2.5W (4k Ω), 5W (2k Ω), 7.5W (1.33k Ω), 10W (1k Ω)
Sensitivity	98dB (1W @ 1m), 86dB (1W @ 4m)
Maximum sound pressure level	110dB (10W @ 1m), 98dB (10W @ 4m)
Frequency response	250Hz - 10kHz, 500Hz - 4kHz 0 \pm 5dB
Coverage angle (-6dB)	500Hz: 88°, 1000Hz: 127°, 2000Hz: 79°, 4000Hz 58°
Active EQ	Refer Redback Data Sheet AS ISO7240.24 10W 100V Line Horn Speaker
Environmental	Type B (for outdoor applications as per standard)
Speaker component	Aluminium voice coil former
Mounting depth	275mm
Mounting method	Wall bracket with mounting holes
Line monitoring	Yes, 22 μ F bipolar capacitor
Applicable cable	2.5mm ² (14AWG) max conductor area
Connection	4 way screw terminal
Finish	Flame retardant ABS (Absolac 300 MFR)
IP rating	IP66
Dimensions	180 \varnothing x 275Dmm
Weight	0.8kg

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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	XF2980/R1	Evaluation for Conformity of the Redback, CF2053 series, type B, indoor/outdoor, horn, emergency sound-system loudspeaker to the requirements of AS ISO 7240.24:2015	21-Nov-2017	CSIRO, Fire Systems Laboratory, AU
Data Sheet	CF2053	Redback Data Sheet AS ISO7240.24 10W 100V Line Horn Speaker CF2053G Grey CF2053B Black CF2053R Red CF2053W White CF2053 Datasheet 10-11-2017.pdf	10-Nov-2017	Altronic Distributors Pty Ltd, WA, AU