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Certificate of Conformity

Certificate num.	Registration date	Version Number	Version Issue date	Valid until
afp - 3141	30-Mar-2017	12	28-Apr-2026	30-Apr-2027

Product designation

Clipsal® FireTek®, Model 755RLPSMA4 (design A/B), 240 Vac powered & fixed rechargeable lithium battery backup, silencing/hush facility, interconnectable, photoelectric smoke alarm

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

Agent/distributor

Schneider Electric (Australia) Pty Limited
33-37 Port Wakefield Road, GEPPS CROSS, SA, AUSTRALIA, 5094

Registrant

Schneider Electric (Australia) Pty Limited
33-37 Port Wakefield Road, GEPPS CROSS, SA, AUSTRALIA, 5094

Producer

Garvan Enterprises Limited
RM 16-17, 21/F, Wing Hing Industrial Bldg., 83-93 Chai Wan Kok Street, TSUEN WAN, HONG KONG, CHINA

Conformance criteria and evaluation

The Clipsal® FireTek®, Model 755RLPSMA4 (design A/B), 240 Vac powered & fixed rechargeable lithium 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) / 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.
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Issued by

Kai Loh
Executive Officer – ActivFire Scheme

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The validity and authenticity of this certificate can be verified by the certification register located at https://activfire.csiro.au

Schedule to
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Producer's description

The Clipsal® Firetek® 755RLPSMA4 photoelectric smoke alarm – design A is an externally energized photoelectric smoke alarm. The smoke alarm primary power supply is an external 230 Vac supply. 220-240 Vac supply. The smoke alarm includes a standby rechargeable battery power supply that 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 Clipsal® Firetek® 755RLPSMA4 photoelectric smoke alarm – design A also incorporates a 'silence button' feature. The smoke sensitivity is reduced for approximately 10 minutes, at which time the smoke alarm automatically returns to normal operation.

The Clipsal® Firetek® 755RLPSMA4 photoelectric smoke alarm – design A is circular in shape. It is approximately 140mm in size with a height of 43 mm. It clips into a circular mounting base with two holes for screws.

The Clipsal® Firetek® 755RLPSMA4 photoelectric smoke alarm – design B is similar to the Clipsal® Firetek® 755RLPSMA4 photoelectric smoke alarm – design A, except that it has different design of printed circuit board (PCB) shape, new microcontrol unit (MCU) and was updated with revised firmware incorporating drift compensation.

The Clipsal Model 755RFB is a compatible mounting base with an integral radio link module. The radio link module is used to transmit or receive a radio frequency alarm signal, thus providing an interconnection facility for the mounted alarm.

The Clipsal Model 755RB is a compatible mounting base with an integral relay contact output module. The relay module is used to activate auxiliary device rated at 220 – 240V, 50 Hz and 2 A maximum.

Technical specification

The following details are a representative extract of the technical specification for the Clipsal® FireTek®, Model 755RLPSMA4 (design A/B), 240 Vac powered & fixed rechargeable lithium 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 variant designations

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

Variant		
Type	**Ident.[1]**	**Description**
Model	755RLPSMA4 design A	MCU: Holtek HT45F23A Metal oxide varistor: NDF 07D471K Alternative X2 suppressor capacitor: KNSCHA 57X20624 Software version: SG11, dated 25.01.2022
	755RLPSMA4 design B	MCU: Semic CS2109 SSOP20 Software version: V01, dated 05.01.2022 Different shaped PCB and component layout to design A

Note:

1. Manufacturing date code formatted as "ddmmyyX", "dd" for date, "mm" for month, "yy" for the last 2 numbers of the year, "X" could be A or B, A for Design A and B for Design B.

   e.g., "210422B" means device is design B and produced on 2022-04-21.

Schedule of components and/or assemblies

The following is a schedule of validated components and/or assemblies of the certified/listed equipment.

Component/assembly designation	Description
Clipsal® Model 755RB	Mounting base with relay output for wired interconnection
Clipsal® Model 755RFB	Mounting base with radio link for wireless interconnection

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Schedule of properties/characteristics

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

Main power source	220-240 Vac 50Hz
Secondary power source	3 Vdc rechargeable lithium battery
Operating current	≤40mA
Battery life	Ten years approximately
Sensing type	Photoelectric
Operating temperature	0°C to 45°C
Ambient humidity	5% to 95%
Interconnecting	40 alarms over 150 metres maximum (20 alarms for RF)
Horn level	85 db at three metres minimum
Visual indicators	Green LED for main power on Red LED for warning low battery indicator

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	XF3542/R1	Evaluation of product modification Clipsal® Firetek® 755PSMA4 and 755RLPSMA4 photoelectric smoke alarms for conformity to the requirements of AS 3786-2014 +A1:2015 +A2:2018	3-Jun-2022	CSIRO, Infrastructure Technologies, Fire Systems Laboratory, AU
	XF3077/R1	Evaluation for Conformity of the Clipsal® Firetek® Model 755PSMA4 and 755RLPSMA4 Photoelectric Smoke Alarms to the requirements of AS 3786-2014 +A1:2015	29-Mar-2017	
Instructions	F2807/02	FIRETEK Smoke Alarm 755RLPSMA4, 240V a.c. Mains Power Photoelectric Smoke Alarm with Rechargeable Battery Backup	-	Schneider Electric, AU
	F2809/02	FIRETEK Mounting Base 755RFB Smoke Alarm Mounting Base with Wireless Interconnect		
	F2808/02	FIRETEK Mounting Base 755RB Smoke Alarm Mounting Base with Integrated Relay		