



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3554	22-Feb-2021	Number 6	Issue date 7-Apr-2026	30-Apr-2027

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Product designation

Kidde, Model KA20-2, 230 Vac powered with user-replaceable 9Vdc battery backup, silencing/test facility, interconnectable, photoelectric smoke alarm

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

Agent/distributor

Kidde Australia
Suite 4.01, 2 Ferntree Place, NOTTING HILL, VIC, AUSTRALIA, 3168

Registrant

Kidde Australia
Suite 4.01, 2 Ferntree Place, NOTTING HILL, VIC, AUSTRALIA, 3168

Producer

Dongguan Fyrnetics Co., Ltd.
No 1, Rongwen Road, Changan, DONGGUAN, GUANGDONG, CHINA, 523842

Conformance criteria and evaluation

The Kidde, Model KA20-2, 230 Vac powered with user-replaceable 9Vdc battery backup, silencing/test 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.
- 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



Schedule to Certificate of Conformity

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Producer's description

The Kidde, Model KA20-2, 230 Vac powered with user-replaceable 9Vdc battery backup, silencing/test 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 9V user replaceable alkaline 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 equipment 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 10 minutes, at which time the smoke alarm automatically returns to normal operation.

The Kidde, Model KA20-2, 230 Vac powered with user-replaceable 9Vdc battery backup, silencing/test facility, interconnectable, photoelectric smoke alarm is circular in shape. The optical sensing chamber is around with the insect screen. It is approximately 125 mm diameter with a height of 45 mm when mounting to alarm base.

Technical specification

The following details are a representative extract of the technical specification for the Kidde, Model KA20-2, 230 Vac powered with user-replaceable 9Vdc battery backup, silencing/test 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 properties/characteristics

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

Sensor type	Photoelectric (Type A)
Alarm signal	85 dB @ 3 m, (ISO 8201)
Electrical Rating	240V AC 50Hz, DC battery backup (9V battery)
Environmental	
Operating temperature	0° to 40° C
Humidity	93% non-condensing

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	XF3421/R1	Evaluation for product modification Kidde KA series alarm for conformity to the requirements of AS 3786:2014 +A1:2015 +A2:2018 and AS 1603.3:2018	2-Dec-2020	CSIRO, Fire Systems Laboratory, AU
	XF3210/R2	Evaluation for Conformity of the Kidde Model KA20LL and KA20 Photoelectric Smoke Alarms to the requirements of AS 3786:2014 +A1:2015	17-Dec-2018	CSIRO, Fire Systems Laboratory, AU
User Manual	1373-7214-00 09/20	Kidde Photoelectric Smoke Alarm with Hush User Guide Model: JA20-2, KA20LL-2	11-Nov-2020	Kidde Australia Pty Ltd, AU