



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 2793	1-Sep-2012	Number 13	Issue date 2-Apr-2024	30-Apr-2025

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Product designation

Kentec, Model KD2540015, power supply equipment

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

Agent/distributor

Incite Fire

Block Y, Unit 1, Regents Park Estate, 391 Park Road, REGENTS PARK, NSW, AUSTRALIA, 2143

Registrant

Kentec Electronics Limited

Units 25-27 Fawkes Avenue, Questor, DARTFORD, KENT, UNITED KINGDOM, DA1 1JQ

Producer

Kentec Electronics Limited

Units 25-27 Fawkes Avenue, Questor, DARTFORD, KENT, UNITED KINGDOM, DA1 1JQ

Conformance criteria and evaluation

The Kentec, Model KD2540015, power supply equipment has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 7240.4-2004, 'Fire detection and alarm systems - Part 4: Power supply equipment (ISO 7240-4:2003, MOD)'.

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.

Producer's description

The Kentec, Model KD2540015, power supply equipment is a boxed power supply which operates from a mains input of 230 Vac or 110 Vac (link selectable) and provides an output power of 19 Vdc to 30 Vdc intended to supply power to a fire alarm control panel or similar.

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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Technical specification

The following details are a representative extract of the technical specification for the Kentec, Model KD2540015, power supply equipment and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Power requirements

Mains power supply:	230 Vac or 110 Vac
Maximum input current:	3 Amps
Mains frequency:	50 Hz or 60 Hz

Input/Output electrical ratings

Input	110 Vac or 230 Vac (selected by link inside the power supply unit)
Load output:	19 Vdc minimum 30 Vdc maximum
Maximum output current:	4 A + 1.25A for battery charging
Maximum ripple:	1 Volt
$I_{max\ a}$, Rated maximum output current which can be supplied continuously:	4 A
$I_{max\ b}$, Rated maximum output current which can be supplied while battery charging is not required	5 A
I_{min} , Minimum output current for correct operation:	10 mA
$R_{i\ max}$, Maximum series resistance in battery charging circuit before a fault is indicated:	1.0 ohms
Battery charging output:	26.4 Vdc (at 40 °C) to 28.9 Vdc (at -5 °C) 1.25 Amps maximum
Fault signals:	Switched negative open collector (with respect to load positive) current limited 100 mA max Mains fail Battery disconnected (Low battery shutoff voltage - 19 V (+/- 1 volt)) Battery voltage low/Battery connection high impedance. Low battery voltage = 21 V +/- 1 volt Earth fault Charger fault (high output to battery) Fail safe (any one of the above)

Fuse ratings

Input fuse:	F 3 A 250 V TD 20mm (Replace only with a fuses of the same type)
Load fuse:	Self-resetting Polyfuse 5 Amp rated (Not replaceable)
RPSM2 fuses:	FF very fast acting 6.3 A, (Replace only with fuses of the same type)

Batteries

Maximum capacity:	26 Ah
Maximum current consumption from battery:	7 Amps
Quiescent current in mains failure mode:	70 milliamps.
Compatible batteries:	Yuasa, NP4-12, NP7-12, NP12-12, NP-17-12, NP-24-12 Powersonic, PS-1242, PS-1270, PS-12120, PS-12170, PS-12260

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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		Source	Title / description	Date issued (or date validated)
Ident. type	Ident.			
Report	XF2770/R1	CSIRO, Materials Science and Engineering, AU	Evaluation for Conformity of the Kentec Model KD2540015 Power Supply Equipment to the requirements of AS 7240.4-2004	31-Jul-2012
Report No.	244/7390157	BSI Testing Services, UK	2 Samples of the KD2540015 Power Supply and 1 Sample of the KD2540003 Power Supply	25-Jun-2010
Manual	Man-1128, Issue 01	Kentec Electronics Limited, UK	K25000 Series Fire Alarm Power Supplies Installation, Commissioning and Operating Manual	June 2010