



# Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
<b>afp - 2449</b>	17-Sep-2010	Number 9	Issue date 26-Apr-2019	30-Apr-2020

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## Product designation

**UTC Fire and Security Australia, EST3, control and indicating equipment**

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

## Agent/distributor

Kidde Australia  
Unit 3, Ground Floor, 10 Ferntree Place, NOTTING HILL, VIC, AUSTRALIA, 3168

## Registrant

Kidde Australia  
Unit 3, Ground Floor, 10 Ferntree Place, NOTTING HILL, VIC, AUSTRALIA, 3168

### Producer

Edwards  
8985 Town Center Parkway, BRADENTON, FL, UNITED STATES, 34202

## Conformance criteria and evaluation

The UTC Fire and Security Australia, EST3, control and indicating equipment has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 7240.2-2004, 'Fire detection and alarm systems - Part 2: Control and indicating equipment (ISO 7240-2:2003, MOD)'.
2. 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.

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

- i. All parts of the c.i.e. must be mounted in a single enclosure,
- ii. The p.s.e. must be mounted in the same enclosure as the c.i.e.,
- iii. Where the analogue addressable loop covers more than one zone or performs more than one function it shall be fitted with short circuit isolators as required by clause 13.5.2 of AS 7240.2,
- iv. The c.i.e. is fitted with the labels that meet the Marking requirements of Section 15 and Annex ZA of the Standards,

(Limitations/conditions of conformance continue)

Issued by

David Whittaker  
Executive Officer – ActivFire Scheme



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.

# Schedule to Certificate of Conformity

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- v. The c.i.e. is installed in areas appropriate to the lower audible indication level contemplated in clause 13.10.2 of the Standards
- vi. Compatibility of this equipment with new or existing actuating devices should be verified prior to installation.

## Producer's description

The UTC Fire and Security Australia, EST3, control and indicating equipment forms the central part of a fire detection and alarm system.

The UTC Fire and Security Australia, EST3, control and indicating equipment is a microprocessor based system using 'plug in' modules that can be chosen at the time of installation to configure the system in a variety of formats and control different device type technologies.

The control and indicating equipment and repeater use both alphanumeric display and zonal LEDs to provide indication of the operating condition

The UTC Fire and Security Australia, EST3, control and indicating equipment is supplied in a sheet metal cabinet incorporating a protective door. With the door in the secured position, a window permits viewing of the indications required at Access Level 1. Opening of the door, using a 003 type key and entering a code on the keypad permits access to controls and indications required at Access Level 2.

The UTC Fire and Security Australia, EST3, control and indicating equipment includes integrated power supply equipment (p.s.e) consisting of Primary Power Supply (PPS), Booster Power Supply (BPS) and Booster Battery Charger (BBC). The cabinet includes space for batteries as the secondary power source. The c.i.e. can be fitted with a minimum of four 12 V 10 Ahr, and a maximum of four 12 V 65 Ahr, batteries.

Operation is via a keypad and alphanumeric display with indication provided through zonal alarm LEDs and alphanumeric display.

The c.i.e. and p.s.e. comprise of a number of modules, as detailed below. These mount into the c.i.e. housing. The UTC Fire and Security Australia, EST3, control and indicating equipment includes a range of optional modules which can be fitted in the c.i.e. cabinet to suit project requirements.

Optional function of AS 7240.2	Clause	Verification
Output to fire alarm devices (item C in AS 7240.1)	7.8	Included
Output to fire alarm routing equipment (item E in AS 7240.1)	7.9	Included
Output to automatic fire alarm equipment (item G in AS 7240.1)	7.10	Not Evaluated
Delays to outputs (annex E of AS 7240.2)	7.11	Not Evaluated
Dependency on more than one alarm signal	7.12	Not Evaluated
Alarm Counter	7.13	Included
Output of standard emergency evacuation signal	7.14	Not Evaluated
Supervisory signal condition	8	Not Evaluated
Fault signals from points	9.3	Included
Total loss of the power supply	9.4	Not evaluated
Output to fault warning routing equipment (item J in AS 7240.1)	9.9	Included
Disabled condition	10	Included
Disabling of addressable points	10.5	Included
Test condition	11	Included
Standardized I/O interface	12	Not evaluated
Impact (operational)	16.6	Included
Vibration (operational)	16.7	Included
Alarm Acknowledgement Facility	Annex ZB	Not evaluated
Dry heat, steady state (operational)	Annex ZC	Not evaluated
Ancillary control function	Annex ZD	Not evaluated
Optional function of AS 7240.4	Clause	Verification
Battery function check	5.5	Not evaluated
Impact (operational)	9.7	Included
Vibration (operational)	9.8	Included

Schedule to

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Vibration (endurance)				9.11	Included
Dry heat, steady state (operational)				Annex ZC	Not evaluated

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## Technical specification

The following details are a representative extract of the technical specification for the UTC Fire and Security Australia, EST3, control and indicating equipment and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

<b>Power input:</b>	230 Vac, +10%, -15%, 50 Hz, 2.0 A
<b>Power supply:</b>	Modular 7A, 24 Vdc power supplies
<b>Operating temperature:</b>	0 to 40 °C
<b>Operating relative humidity</b>	0 to 95 %RH (non-condensing)

### Base panel modules

Module	Designation	Issue	Software version
3-CPU3	Central Processing Unit	2	1.20
3-LCD	Liquid Crystal Display	7	N/A
3-PSMON	Primary Power Supply Monitor	01	3.60
3-PPS	Primary Power Supply	X2	N/A

### Optional panel modules

Module	Designation	Issue	Software version
3-RS485B(A)	Data Communication, Class A or B	02	1.40
3-RS232	Serial Communication Card	A	N/A
3-BBC	Booster, Battery Charger	X2	N/A
3-BBCMON	Booster, Battery Charger Monitor	01	3.60
3-BPS	Booster Power Supply	X2	N/A
3-BPSMON	Booster Power Supply Monitor	01	3.61
3-SDDC1	Dual Signature Driver Controller	03	N/A
3-SDC1	Signature Device Card	05	1.40
3-EADC	Edwards Analogue Device Controller	03	N/A
3-EDC	Edwards Line Interface Module	02	N/A
7990089	EADC Line Filter	01	N/A
3-IDC8/4	Initiating Device Circuit Module	3	3.60
3-ZA20A(B)	Zone Amplifier, 20 W, Class A or B	06	3.40
Audio Amp	Amplifier	B	N/A
DSP	Digital Signal Processor	1	N/A
3-ZA40A(B)	Zone Amplifier, 40 W, Class A or B	06	3.60
3-ZA95	Zone Amplifier, 95 W, Class A or B	5	3.60
3-6/3S1GYR	Control Display Module	C	N/A
3-24R	Control/LED Display (red)	05	N/A
3-24Y	Control/LED Display (yellow)	05	N/A
3-LDSM	Control Display Module Interface	A	3.0
3-ASU	Audio Source Unit	11	1.0
3-RCIC	ASU Interconnect power and rail communication unit	B	N/A
RS485	Remote Annunciator RS485 Communications	B	1.10
3-ANNSM	Annunciator Support Module	A	3.0