



# Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
<b>afp - 1679</b>	29-Mar-2004	Number 15 (Provisional)	Issue date 1-May-2020	30-Apr-2021

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## Product designation

**EST, Model E610-1, nom. sens. (S)=0.3 MIC X, ionisation smoke detector**

(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 EST, Model E610-1, nom. sens. (S)=0.3 MIC X, ionisation smoke detector has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 1603.2-1997, 'Automatic fire detection and alarm systems - Point type smoke detectors' incl. Amdt 1 (August 1998).

## 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. In the alarm state, the detector must operate at a minimum alarm current of 14 mA.
- ii. Compatibility of this fire detector and its base assembly with new or existing control and indicating equipment should be verified prior to installation.

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

David Whittaker  
Executive Officer – ActivFire Scheme



# Schedule to Certificate of Conformity

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## Producer's description

The EST, Model E610-1, nom. sens. (S)=0.3 MIC X, ionisation smoke detector is designed to respond to particles in the 0.01 to 1 micron diameter range, including both visible and invisible products of combustion. When the detector is triggered into alarm, the built in LED illuminates. Outputs are provided via the base assembly for a remote LED.

Electrical connection from the control and indicating equipment to the smoke detector is achieved through the EST Z6-BS1 base assembly.

## Technical specification

The following details are a representative extract of the technical specification for the EST, Model E610-1, nom. sens. (S)=0.3 MIC X, ionisation smoke detector and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

### Detector:

<b>Sensitivity:</b>	0.30 MIC X
<b>Operating voltage range:</b>	15 to 30 Vdc
<b>Quiescent current:</b>	Less than 50 $\mu$ A
<b>Alarm current:</b>	Maximum 50 mA (limited by panel)
<b>Operating temperature:</b>	-10°C to +60°C
<b>Humidity:</b>	20 to 95% RH
<b>Connections to FIP:</b>	Two wire
<b>Dimensions:</b>	Diameter 106 mm Height 51 mm
<b>Mass:</b>	105g

### EST, Model Z6-BS1, base assembly:

Permanent wiring connections to the EST Model Z6-BS1 base assembly consists of terminals for power, communication and remote indicator facility. The base assembly provides a mounting facility for the smoke detector and a means of connection between the smoke detector and the control panel. The base is approximately 107 mm in diameter and has a height of approximately 17 mm.

Tested base designation	Base + detector circuit type
EST, Model Z6-BS1	Conventional