



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 1674	29-Mar-2004	Number 15 (Provisional)	Issue date 1-May-2020	30-Apr-2021

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Product designation

EST, Model E630-1, high sens. photoelectric 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 E630-1, high sens. photoelectric smoke detector has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 1603.1-1990, 'Automatic fire detection and alarm systems - Heat detectors' incl. Amdt 1 (April 1995).

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 12 mA.
- ii. The nominal sensitivity (S) is 8% obs./m and is marked on the detector.
- iii. 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 E630-1, high sens. photoelectric smoke detector is a low profile optical smoke detector designed to respond to particles in the 0.5 to 10 micron diameter range. This applies to visible smoke. The detector operates on the principle of light scattering and is particularly reliable under adverse environmental conditions.

When the detector is in the alarm state, the LED will illuminate. An output is provided for remote indication.

Technical specification

The following details are a representative extract of the technical specification for the EST, Model E630-1, high sens. photoelectric smoke detector and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Nominal sensitivity (S):	8% obs./m.
Operating voltage:	15 Vdc to 30 Vdc
Quiescent current:	< 50 μ A
Alarm current:	50 mA maximum (limited by panel)
Operating temperature range:	-10°C to +60°C
Indicating LED:	Red
Material:	ABS
Size:	106 x 51 mm
Weight:	105 g

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