



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 2460	18-Apr-2011	Number 9	Issue date 1-May-2019	30-Apr-2020

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Product designation

Sinteso™, Model FDO221 (Part num.: A5Q00001565), C-LINE, photoelectric smoke detector
(Refer to the Schedule/enclosures for further specified details)

Agent/distributor

Siemens Ltd.
885 Mountain Highway, BAYSWATER, VIC, AUSTRALIA, 3153

Registrant

Siemens Ltd.
885 Mountain Highway, BAYSWATER, VIC, AUSTRALIA, 3153

Producer

Siemens Switzerland Ltd
Theilerstrasse 1a, ZUG, SWITZERLAND, CH-6300

Conformance criteria and evaluation

The Sinteso™, Model FDO221 (Part num.: A5Q00001565), C-LINE, photoelectric smoke detector has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 7240.7-2004, 'Fire detection and alarm systems - Part 7: Point-type smoke detectors using scattered light, transmitted light or ionization (ISO 7240-7:2003, 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. The detector is used in conjunction with Siemens Cerberus CS1140 control and indicating equipment.
- ii. The advance application mode settings are not used.
- 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 Sinteso™, Model FDO221 (Part num.: A5Q00001565), C-LINE, photoelectric smoke detector is an optical smoke detector which detects smoke according to the principle of forward scattering.

The product is a plug in sensor compatible with a range of Siemens detector bases. One LED on the sensor pulses as the detector is polled by the associated control and indicating equipment; this LED illuminates red to indicate the alarm status of the device.

Technical specification

The following details are a representative extract of the technical specification for the Sinteso™, Model FDO221 (Part num.: A5Q00001565), C-LINE, 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.

Operating voltage	12 to 33 Vdc
Operating temperature	-10 to +60 °C
Storage temperature	-30 to +75 °C
Quiescent current	180 to 230 µA
Communication protocol	FDnet
Relative humidity	≤95 %
Protection category	with base IP43, with base attachment IP44
Dimensions (Ø x H)	100 x 46 mm

Evaluated base designation	Description	Base + detector circuit type
Siemens, Model FDB221	-	Analogue / addressable
Siemens, Model FDB221-AA	-	
Siemens, Model FDSB291	Sounder base	
Siemens, Model FDB291	Base attachment	
Siemens, Model FDB293	Base attachment	