

# Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
<b>afp - 2799</b>	16-Nov-2012	Number 1	Issue date 16-Nov-2012	31-Dec-2013

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## Product designation

**Cerberus PRO, Model OOH740, smoke (photoelectric sensor) and Class P (classes A1R / A1S, BR / BS) heat, multi-sensor fire 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  
Gubelstrasse 22, ZUG, SWITZERLAND, CH-6301

## Conformance criteria and evaluation

The Cerberus PRO, Model OOH740, smoke (photoelectric sensor) and Class P (classes A1R / A1S, BR / BS) heat, multi-sensor fire detector has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 7240.5-2004, 'Fire detection and alarm systems - Point type heat detectors (ISO 7240-5:2003, MOD)'.  
2. Australian Standard AS 7240.7-2004, 'Fire detection and alarm systems - 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. Compatibility of this fire detector and its base assembly with new or existing control and indicating equipment should be verified prior to installation.

Issued by



David Whittaker  
Executive Officer – ActivFire Scheme



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## Producer's description

The Cerberus PRO, Model OOH740, smoke (photoelectric sensor) and Class P (classes A1R / A1S, BR / BS) heat, multi-sensor fire detector comprises a scattering light chamber with two light transmitters and further on two heat sensors.

Characteristics:

- Signal processing with ASA technology (Advanced Signal Analysis) and optional detection behavior (application-specific ASA parameter sets).
- Event-controlled detection behavior
- High immunity to deceptive phenomena
- Redundant, high-quality sensor system
- Early and reliable detection of emerging fires

The multi sensor detector OOH740 can also be operated in collective/conventional mode. There are several parameter sets for fire available in collective/conventional mode. The multi sensor detector OOH740 is also compatible with control panels which support collective/conventional mode.

The OOH740 multi sensor detector is equipped with a line isolator function, which in the case of a loop line installation isolates the short-circuited part between two detectors and prevents failure of the entire bus.

The alarm state is indicated by a red LED.

The Cerberus Pro OOH740 Multi-Sensor Detector is 100 mm diameter and 50 mm high.

## Technical specification

The following details are a representative extract of the technical specification for the Cerberus PRO, Model OOH740, smoke (photoelectric sensor) and Class P (classes A1R / A1S, BR / BS) heat, multi-sensor fire 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 (modulated)	12 – 33 Vdc
Operating current (quiescent)	170 – 250 µA
Operating temperature	-25° C to 55° C
Storage temperature	-30° C to 70° C
Humidity	95% RH
Communication protocol	C-NET, collective or conventional
Colour	White
Protection category EN60529 / IEC529	IP40
with detector base seal RS720	IP44

Verified base designation	Description	Base + detector circuit type
Cerberus PRO, Model DB720	Universal base	Addressable
Cerberus PRO, Model DB721	Universal base with loop contact	
Cerberus PRO, Model DB721D	Universal base	
Cerberus PRO, Model DB722	Universal base with seal and screwless terminals	

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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 num.	XF2774/R5	CSIRO, Materials Science and Engineering, AU	Conformity Evaluation of the Cerberus Pro OOH740 Multi-Sensor Detector to the requirements of AS 7240.5-2004 and AS 7240.7-2004	29-Oct-2012
Test Report No.	BMA 11078	Laboratory for Fire Detection Systems (BMA). Verband der Schadenverhütung, DE	Laboratory for Fire Detection Systems (BMA). Test Report BMA 11078 on the testing of Multisensor Detector Type OOH740 submitted by Siemens Schweiz AG, Building Technologies Division, Gubelstrasse 22, CH-6301 Zug	15-Dec-2011
Test Report No.	100290-AU01-SW01	Software Laboratory. Verband der Schadenverhütung, DE	Software Laboratory Test Report No. 100290-AU01-SW01. Test of the Software-Documentation on the Multi-sensor Smoke Detector Type: OOH740 submitted by Siemens Schweiz AG	10-Mar-2011
Technical data document	A6V10284161_e_en Manual FD720 Section 2	Siemens Switzerland Ltd, CH	OOH740, OOHC740, Cerberus® PRO Automatic fire detectors For the automatic addressable detector bus C-NET	Oct-2011