



# Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
<b>afp - 2522</b>	19-Aug-2011	Number 12	Issue date 13-Feb-2020	30-Apr-2020

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## Product designation

**Cerberus PRO, FC Series, fire control panels**

(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 Cerberus PRO, FC Series, fire control panels 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)'.
3. Australian Standard AS 4428.3-2010, 'Fire detection, warning, control and intercom systems - Control and indicating equipment - Fire brigade panel'.

## 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 equipment with new or existing actuating devices should be verified prior to installation.
- ii. All parts of the c.i.e. must be mounted in a single enclosure.

(Limitations/conditions of conformance continue)

Issued by

David Whittaker  
Executive Officer – ActivFire Scheme



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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.

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- iii. The p.s.e. must be mounted in the same enclosure as the c.i.e.
- iv. The c.i.e. is fitted with the labels meeting the Marking requirements of Section 15 and Annex ZA of the Standards.

## Producer's description

The Cerberus PRO, FC Series, fire control panels are configurable as one of a number of types designated as follows.

### Type FC721

The FC721 is a 1-loop stand-alone addressable fire control panel unit that can process signals from Cerberus Pro devices up to 126 addresses.

### Type FC722

The FC722 is a 2-loop (expandable to 4) stand-alone or networked addressable fire control panel unit that can process signals from Cerberus Pro devices up to 252 addresses.

### Type FC723

2-loop (expandable to 12 loops) stand-alone or networked modular fire control panel with an integrated operating unit that can process signals from Cerberus Pro devices of up to 756 addresses.

### Type FC724

The FC724 is a 4-loop (expandable to 8) stand-alone or networked addressable fire control panel unit that can process signals from Cerberus Pro devices up to 504 addresses.

### Type FC726

The FC726 is a 4-loop (expandable to 28 loops) stand-alone or networked modular fire control panel with an integrated operating unit that can process signals from Cerberus Pro devices of up to 1512 addresses.

### Type FT724

The FT724 is a networked fire terminal with integrated, operating unit for system operation and display. The FT724 may be optionally supplied with either internal power supply equipment, or externally powered.

### General

All of the above panels are equipped/constructed as follows.

- i. Sheet metal cabinet.
- ii. LED display to provide indication of the operating condition. Operation is via button-controls with indication provided.
- iii. A PIN code permits access to controls and indications required at Access Level 2 and 3.
- iv. Integrated 70 or 150 W power supply equipment (p.s.e) is provided and the cabinet includes space for batteries as the secondary power source. The producer states that the c.i.e. is fitted with an auxiliary 24 Vdc supply to enable local signaling or control of ancillary systems such as door release controllers.

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## Technical specification

The following details are a representative extract of the technical specification for the Cerberus PRO, FC Series, fire control panels and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

### Schedule of variant designations

The following is a schedule of validated variant designations of the certified/listed equipment.

FC Series variants	
Type	Description
<b>FC721</b>	1-loop stand-alone addressable fire control panel unit that can process signals from Cerberus Pro devices up to 126 addresses
<b>FC722</b>	2-loop (expandable to 4) stand-alone or networked addressable fire control panel unit that can process signals from Cerberus Pro devices up to 252 addresses
<b>FC723</b>	2-loop (expandable to 12 loops) stand-alone or networked modular fire control panel with an integrated operating unit that can process signals from Cerberus Pro devices of up to 756 addresses
<b>FC724</b>	4-loop (expandable to 8) stand-alone or networked addressable fire control panel unit that can process signals from Cerberus Pro devices up to 504 addresses
<b>FC726</b>	4-loop (expandable to 28 loops) stand-alone or networked modular fire control panel with an integrated operating unit that can process signals from Cerberus Pro devices of up to 1512 addresses
<b>FT724</b>	Networked addressable fire terminal.

### Schedule of properties/characteristics

The following schedule is an extract of physical and operational properties/characteristics of the certified/listed equipment.

<b>Power input</b>	85 – 265 Vac (FP2004-A1, 70 W) 195 to 253 Vac, (FP2003-A1, 150 W)
<b>Operating temperature</b>	-5 to 40 °C
<b>Operating relative humidity</b>	0 to 95 %RH (non-condensing)
<b>Battery capacity</b>	7 – 12 Ah (FP2003-A1) 12 – 65 Ah (FP2004-A1)
<b>Power supply – maximum output current during battery charging (<math>I_{\max a}</math>)</b>	0.9 A (FP2004-A1) or 2.1 A (FP2003-A1)
<b>Power supply – maximum output current without battery charging (<math>I_{\max b}</math>)</b>	2.5 A (FP2004-A1) or not specified (FP2003-A1)

### Schedule of optional functions with requirements

The following schedule of AS 7240.2–2004 optional functions with requirements have been validated.

1. Indications:	
a. Alarm counter (Cl. 7.13)	
b. Fault signals from points (Cl. 9.3)	
2. Controls:	
a. Delays to outputs (Cl. 7.11)	
b. Dependency on more than one alarm signal (Cl. 7.12) *	
c. Disabled condition (Cl. 10)	
d. Disablement of each addressable points (Cl. 10.5)	
e. Test condition (Cl. 11)	
3. Outputs:	
a. Output to fire alarm devices (Cl. 7.8)	
b. Control of fire alarm routing equipment (Cl. 7.9)	
c. Output to fire protection equipment (Cl. 7.10)	
d. Output to fault warning routing equipment (Cl. 9.9)	
4. Operational	
a. Impact (operational) (Cl. 16.6, Annex ZA2: not optional)	
b. Vibration, sinusoidal (operational) (Cl. 16.7, Annex ZA2: not optional)	
5. Marking requirements (Cl. 15, Annex ZA2: additional requirements)	

\* Cerberus Pro FC726 only

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The following schedule of AS 7240.4–2004 optional functions with requirements have been validated.

1. Marking (Cl.8, Annex ZA2: additional requirements)
2. Impact (operational) (Cl. 9.7, Annex ZA2: not optional)
3. Vibration, sinusoidal (operational) (Cl. 9.8, Annex ZA2: not optional)
4. Vibration, sinusoidal (endurance) (Cl. 9.11, Annex ZA2: not optional)

## Schedule of components and/or assemblies

The following is a schedule of validated components and/or assemblies of the certified/listed equipment.

Description	Board/Part No	Rev/Issue No
PMI & Mainboard	FCM2004-A1	20
Operating unit	FCM2002-A2	13
Loop extension	FCI2003-A1	06
LED-indicator (8 boards)	FTO2002-A1	08
Peripheral board (4 loop)	FCI2004-A1	21
Card cage (5 slot)	FCA2008-A1	06
Line card	FCL2001-A1	06
I/O card	FCI2008-A1	03
70W power supply	FP2003-A1	-
150W power supply	FP2004-A1	-
Housing (Eco)	FH7201-Z3	-
Housing (Large)	FH7205-Z3	-

## Supplementary information

### Schedule of relevant articles

The following schedule is an extract of articles significant and/or related as evidence of conformity.

Reference		Title / description	Date issued (or date validated)	Source
Ident. type	Ident.			
Report Number	XF2633/R1	Conformity Evaluation of the Cerberus Pro FC721, FC722, FC724 and FC726 Control and Indicating Equipment to the requirements of AS 7240.2-2004 and AS 7240.4-2004	3-Aug-2011	CSIRO, Industrial Research Services, AU
	XF2959/R1	Evaluation for Conformity of the Cerberus Pro, FC Series, fire control panels to the requirements of AS 4428.3-2010	3-Dec-2015	CSIRO, Fire Systems and Acoustics, AU
Article no.	0-92315-en 01507	Cerberus PRO – panels, network and accessories Planning tool	15-Jul-2015	Siemens Switzerland Ltd, CH
	A6V10211076_k _en	FC7xx / FT724 Fire control panel / fire terminal Operation Manual	29-Aug-2018	Siemens Switzerland Ltd, CH