



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 2887	7-Mar-2014	Number 14	Issue date 20-Apr-2023	30-Apr-2024

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Product designation

FireSense, FS-1600 Series, conventional, fire indicator panels

(Refer to the Schedule/enclosures for further specified details)

Agent/distributor

FireSense Pty Ltd
18-20 Brookhollow Avenue, BAULKHAM HILLS, NSW, AUSTRALIA, 2153

Registrant

Honeywell Security and Fire
9 Columbia Way, BAULKHAM HILLS, NSW, AUSTRALIA, 2153

Producer

Honeywell Security and Fire
9 Columbia Way, BAULKHAM HILLS, NSW, AUSTRALIA, 2153

Conformance criteria and evaluation

The FireSense, FS-1600 Series, conventional, fire indicator panels have 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. Fire alarm routing equipment output conforms only when connected by a circuit supervised by equipment conforming with AS 4428.6-1997.
- iii. Automatic fire protection equipment outputs conform only when connected to supervised circuits of Notification Appliance Circuits (NACs).

Issued by

Kai Loh
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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Producer's description

The FireSense, FS-1600 Series, conventional, fire indicator panels are equipped with 8 zones but may be extended to 16 Zones by the addition of an 8 Zone expansion module.

Configuration of this equipment is flexible and can be programmed to meet the demands of a wide variety of building types.

Technical specification

The following details are a representative extract of the technical specification for the FireSense, FS-1600 Series, conventional, fire indicator panels and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Variant designation	Description
FS-1600/650-8Z-PS5	Fire Alarm Control Panel with eight zones 5.6A power supply installed in a CAB650 enclosure
FS-1600/650-8Z-PS11	Fire Alarm Control Panel with eight zones 11.7A power supply installed in a CAB650 enclosure
FS-1600/900-8Z-PS11	Fire Alarm Control Panel with eight zones 11.7A power supply installed in a CAB900 enclosure

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

- Indications:
 - Fault signals from points (Cl. 9.3)
- Controls:
 - Co-incidence detection (Cl. 7.12)
 - Delays to outputs (Cl. 7.11)
- Outputs:
 - Fire alarm device(s) (Cl. 7.8)
 - Fire alarm routing equipment (Cl. 7.9), also refer Limitations/conditions of conformance
 - Automatic fire protection equipment (Cl. 7.10), also refer Limitations/conditions of conformance
 - Fault warning routing equipment (Cl. 9.9)
- Supervisory signal condition (Cl. 8)

System capacity	
Initiating device circuits (zones)	8 or 16
Expansion modules (total)	32
	Total expansion ACM modules is ACM-8RA and ACM-ZM
Electrical specifications	
AC power	
NPS-5 fitted:	240 Vac, 0.8 A, 50 Hz
NPS-11 fitted:	240 Vac, 1.5 A, 50 Hz
Input Fuse:	M205 8.0 A, 250 V
Battery:	Two 12 V Sealed lead Acid batteries.
Battery charger capacity:	7AH-85AH (CAB650 and CAB900 enclosures hold maximum of two 33AH batteries)
Initiating device circuits:	Power-limited, supervised circuit
End-of-Line Resistor:	4.7k ohm, ½ watt
Notification Appliance Circuits:	
Maximum current per circuit:	1.0A.
End-of-Line Resistor:	4.7k ohm, ½ watt
Programmable relays	
Contact rating:	1.0A @ 30 Vdc (resistive)
Door holder output:	Powered output protected by automotive fuse
Rating:	3.0A @ 30 Vdc (resistive)
Auxiliary Power (internal only):	24 Vdc power limited output for auxiliary devices installed within enclosure

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Cabinet specifications	
CAB650:	650mm(h) x 450mm(w) x 190mm(d)
CAB900:	900mm(h) x 450mm(w) x 190mm(d)
Assembly:	All cabinets include an outer door
Finish:	All cabinets are powder-coated charcoal texture. Dulux code: 88351
Environmental limits:	
	0° to 55°C dry heat
	40°C @ 93%
IP rating:	30 (when installed with appropriate cable glands)

Components that have been evaluated or validated as part of the certified/listed system include the following:

Designation	Description	Assembly /part ident.
ZEM-8:	Eight zone expansion module; to expand from eight to sixteen zones.	ASY-01-039
ACM-8RA:	Relay module which provides eight individually configurable (C/NO/NC) relay contacts.	ASY-01-040
ACM-ZM8:	Remote LED mimic annunciator which provides indication for up to eight zones. Requires annunciator mounting enclosure.	ASY-02-023
AEM-ZM8:	Remote LED mimic expansion annunciator which provides indication for up to an additional eight zones. Requires annunciator mounting enclosure and	—
ARE/C:	Alarm Routing Equipment interface and mounting bracket to suit Tyco Centaur.	—
ARE/R:	Alarm Routing Equipment interface and mounting bracket to suit Romteck and Tyco Centaur II.	—
ARE/CR:	Alarm Routing Equipment interface and mounting bracket to suit Chubb Code Red.	—
CFP-16 PS-5	NPS-5 power supply	ASY-02-029
CFP-16 PS-11	NPS-11 power supply	ASY-02-030

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.			
Opus Research Report	4-527724.06_CIE	COMPLIANCE APPRAISAL OF THE Honeywell CFP-16 panel TO AS7240.2:2004 FIRE DETECTION AND ALARM SYSTEMS PART 2: CONTROL AND INDICATING EQUIPMENT	12-Mar-2014	Opus Research, NZ
	14-527724.06_PSE	COMPLIANCE APPRAISAL OF THE Honeywell CFP-16 NPS-5 and NPS-11 power supply units TO AS7240.4:2004 FIRE DETECTION AND ALARM SYSTEMS PART 4: POWER SUPPLY EQUIPMENT		
	14-527724.06_FBP	COMPLIANCE APPRAISAL OF THE Honeywell Australian CFP-16 Fire Brigade Panel TO AS4428.3:2010 FIRE DETECTION, WARNING, CONTROL AND INTERCOM SYSTEMS – CONTROL AND INDICATING EQUIPMENT PART 3: FIRE BRIGADE PANEL		
ECN13-0060	DOC-01-027 Rev: A	FireSense FS-1600 Fire Alarm Panel Operation, Installation & Programming Manual Australian Edition	30-Aug-2013	Notifier Inertia, AU
Test Report No.	0520NOTCFP-16_72402P	Testing Report for AS 7240.2:2004 Fire detection and alarm systems Part 2: Control and indicating equipment (Partial testing only)	21-May-2013	Austest Laboratories, AU
	0527NOTH_CFP-16 AS7240	Compliance Testing Report for AS 7240.2:2004 Clause 16.8	27-May-2013	
	0527NOTH_CFP-16 asc22	Compliance Testing Report for AS/NZS CISPR 22: 2009 Class A		