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Product designation

Notifier, AFP-3030 Series, fire alarm control panel

(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 Notifier, AFP-3030 Series, fire alarm control panel 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 - Control and indicating equipment (ISO 7240-2:2003, MOD)'.

2. Australian Standard AS 7240.4-2004, 'Fire detection and alarm systems - 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. Variants of this equipment constructed with a solid outer door without display require a networked system with one display node installed and verified in accordance with AS 7240.2-2004, Clause 13.

Issued by

David Whittaker
Executive Officer – ActivFire Scheme

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 Notifier, AFP-3030 Series, fire alarm control panel is an intelligent Fire Alarm Control Panel (FACP) with a flexible and scaleable architecture which makes it suitable for virtually any application including large scale networked facilities. Fire emergency detection and evacuation are extremely critical to life safety, and this equipment is ideally suited for these applications.

This equipment is part of the ONYX® Series of products.

With one to ten Signalling Line Circuits (SLCs), this equipment supports up to 3,180 intelligent addressable devices per panel and is networkable up to 200 nodes.

A host of other options are available, including single or multichannel voice; LED, LCD, or PC-based graphic annunciators; networking; advanced detection products for challenging environments, and many additional options.

Connectivity with a range of NOTI•FIRE•NET™ integration options such as Bacnet, Modbus, OnyxWorks and Notifier WebServer (NWS-3) permit the this equipment and NOTI•FIRE•NET™ to integrate into critical component building management systems.

Technical specification

The following details are a representative extract of the technical specification for the Notifier, AFP-3030 Series, fire alarm control panel 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.

Variant			
Type	Ident.	Dimensions	Other characteristic
Cabinet	CAB650	650mm(h) x 450mm(w) x 190mm(d)	window outer door only or solid outer door without display*
	CAB900	900mm(h) x 450mm(w) x 190mm(d)	window outer door only or solid outer door without display*
	18U	887mm(h) x 610mm(w) x 285mm(d)	window outer door only or solid outer door without display*
	28U	1330mm(h) x 610mm(w) x 375mm(d)	window outer door only or solid door without display*
	40U	1865mm(h) x 610mm(w) x 375mm(d)	window outer door only or solid door without display*

*   Solid door without display requires a networked system with one display node installed and verified in accordance with AS 7240.2-2004, Clause 13.

Schedule of optional functions with requirements

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

1. 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)
2. 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)
3. Operational
   a. Impact (operational) (Cl. 16.6, Annex ZA2: not optional)
   b. Vibration, sinusoidal (operational) (Cl. 16.7, Annex ZA2: not optional)
   c. Alarm Acknowledgement Facility (Cl. Annex ZB)
   d. Dry Heat, Steady State (Operational) (Cl. Annex ZC)
4. Marking requirements (Cl. 15, Annex ZA2: not optional)

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

1. Battery function check (Cl. 5.5)
2. Marking (Cl.8, Annex ZA2: not optional)

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3.   Impact (operational) (Cl. 16.6, Annex ZA2: not optional)

4.   Vibration, sinusoidal (operational) (Cl. 16.7, Annex ZA2: not optional)

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Schedule of properties/characteristics

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

Intelligent Signalling Line Circuits	1 expandable to 10
Intelligent detectors	159 per SLC
Addressable monitor/control modules	159 per SLC
Programmable software zones	over 2000
ACS annunciators per CPU	32 address x 64 or 96 points NOTE: The CPU2-3030AU can support up to 96 annunciator address points per ACM-24AT/48A
Input voltage rating	
NPS-5CHS	100-240 Vac, 50-60 Hz, 0.8-2.5 A
NPS-11CHS	100-240 Vac, 50-60 Hz, 1.5-5.0 A
Input fuse rating	M205 Fuse - 250V, 8.0A
Output Current	
NPS-5CHS	5.6 A @ 27.3 Vdc
NPS-11CHS	11.7 A @ 27.3 Vdc
Battery	Two 12V Sealed Lead-Acid batteries. (CAB650/CAB900 enclosures hold a maximum of two 33AH batteries)
Charger voltage	27.3 V DC
Capacity	7AH-85AH
Environmental limits	0°C to 49°C dry heat 40°C @ 93% relative humidity
IP rating	IP 30

Schedule of components and/or assemblies

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

AFP-3030 ident.	Description	Type	Protocol
CPU2-3030AU	Central processing unit including field interfaces	CPU	
NPS-5CHS	24Vdc power supply unit	PSU	
NPS-11CHS			
LCM-320	Loop Control Module. Provides one SLC	Loop module	
LEM-320	Loop Expander Module. Expands an ELCM-320 System supports up to five LCM-320s and five LEM-320 expanders for a total of ten SLCs		
DISP-3030AU	Keypad and display; includes 640-character backlit LCD display, QWERTY programming and control keypad	Display module	
NCM-F	Network Control Module - Fibre	Network control module	-
NCM-W	Network Control Module - Wire		
HS-NCM-W	Network Control Module - Wire		
HS-NCM-MF	Network Control Module - Multi-mode optical fibre		
HS-NCM-MFSF	Network Control Module - Multi-mode/ Single-mode optical fibre		
HS-NCM-SF	Network Control Module - Single-mode optical fibre		
HS-NCM-WMF	Network Control Module - Wire/Multimode optical fibre		
HS-NCM-WSF	Network Control Module - Wire/ Single mode optical fibre		
RPT-W	NFN Wire-to-Wire Repeater		
RPT-WF	NFN Wire-to-MMOF repeater		
NCA-2	Network Control Annunciator	Panel/annunciator	
AFP-2800	AFP-2800 FACP		
ACM-24AT	Annunciator (Control)	Annunciator	
ACM-48A	Annunciator (Control)		
ACM-8RA	Annunciator (Relay Module)		
AEM-24AT	Annunciator (expander)		
AEM-48A	Annunciator (expander)		
LCD2-80	LCD Annunciator Kit		
LDM-32	Lamp Driver Kit		
LDM-E32	Lamp Driver Expander Kit		
LDM-R32	Lamp Driver Relay Kit		
SCE-8A	Smoke Control Annunciator (Expander)		
SCS-8A	Smoke Control Annunciator (Control)		
SCS-8L	Smoke Control Annunciator (Control)		

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Note: These components have been validated as connectable for the function and performance of this equipment. The schedule will be extended to include Type 1 component compatibility upon validation and acquittal of an AS 7240.13 evaluation program.

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Schedule of components and/or assemblies (continued)

AFP-3030 ident.	Description	Type	Protocol
FCM-1	Single Intelligent Control Module	Field module	FlashScan
FDM-1	Dual Switch Input Module		
FDMR-1	Dual input/ output Module		
FMM-1	Single Switch Input Module		
FMM-101	Single Switch Input Mini-Module		
FMM-4-20	4-20mA Intelligent Interface Module		
FRM-1	Single Intelligent Relay Output Module		
FZM-1	Single Conventional Zone Interface Module		
ISO-X	Loop (SLC) Isolator Module		
NFX-MCP-GLASS	Intelligent Manual Call Point		
SLC-IM	Modbus Interface Module		
XP-10M	10-way Switch Input Module		
XP-6C	6-way Control output (NAC) Module		
XP-6MA	6-way Conventional Zone Interface Module		
XP-6R	6-way relay output Module		
ZCM	Conventional Zone Conversion Module		
AAM	Alarm acknowledgement module		
NFX-WF-RR	Addressable Strobe (NFX Series)		Clip
NFX-WSF-RR	Addressable Sounder/Strobe (NFX Series)		
NFX-WS-R	Addressable Sounder (NFX Series)		
NFX-WS-W	Addressable Sounder (NFX Series)		
M700X	Isolator Module in 200 series		
AIBS32	Intelligent Base Sounder with integrated isolator	Detector/sounder base	
B501	Addressable Detector Base		
B501AUS	Addressable Detector Base		
B524IEFT	Short Circuit Isolator Base		
NFX-BF-IVR	Addressable Strobe Base (NFX Series)		
NFX-BSF-IVR	Addressable Sounder/Strobe Base (NFX Series)		
NFX-BS-IV	Addressable Sounder Base (NFX Series)		
NFXI-BS-IV	Addressable Sounder Base (NFX Series)		
FSP-751AUS	Photo-electric smoke detector	Actuating device (detector)	FlashScan
FAPT-751AUS	Intelligent Photo-Heat (Acclimate)		
FAPT-851AUS	Intelligent Photo-Thermal multi-sensor (Acclimate)		
FSB-200	Beam Detector		
FSB-200S	Beam Detector with built-in test facility		
FSC-851AUS	IntelliQuad multi-criteria sensor		
FSD-751P	Innovair DSU		
FSI-751AUS	Intelligent Ion		
FSI-851AUS	Intelligent Ionization Sensor		
FSL-751	View™ High Sensitivity Laser Sensor		
FSM-500K	Indoor Manual Call Point		
FSP-851AUS	Intelligent Photo Sensor		
FST-751AUS	Intelligent Fixed Temp. Detector		
FST-751RAUS	Intelligent Thermal with Rate of Rise		
FST-851H	High Heat Thermal		
FST-851AUS	Intelligent Thermal Sensor		
FST-851RAUS	Intelligent Thermal Sensor		
FST-851R-WP	Intelligent Sealed Thermal Sensor		
FST-851-WP	Intelligent Sealed Thermal Sensor		
WCP5A-RP02SFN066-01C	Outdoor Manual Call Point		
FDX-851AUS	Intelligent Thermal Sensor		Clip
FDX-851RAUS	Intelligent Thermal Sensor		
FDX-751BAUS	Intelligent Thermal Sensor		
FDX-751RBAUS	Intelligent Thermal Sensor		
SDX-851AUS	Intelligent Photo Sensor		
IDX-751AE	Intrinsically Safe Addressable Photoelectric Detector		

Note: These components have been validated as connectable for the function and performance of this equipment. The schedule will be extended to include Type 1 component compatibility upon validation and acquittal of an AS 7240.13 evaluation program.

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Schedule of components and/or assemblies (continued)

AFP-3030 ident.	Description	Type	Protocol
BACNET-GW-3	Bacnet gateway		
CAP-GW	Common Alarm Protocol Gateway		
LEDSIGN-GW	LED Sign Gateway		
MODBUS-GW	Modbus-GW		
NWS-3	NOTI-FIRE-NET WebServer	Gateway	-
NFN-GW-AU-EM-3	NFN gateway (Embedded)		
DVC-EM	Digital Voice Command		
OnyxWorks	OnyxWorks Workstation with and without PC gateway		
VESDA-HLI-GW	VESDA-Net gateway		

Note: These components have been validated as connectable for the function and performance of this equipment. The schedule will be extended to include Type 1 component compatibility upon validation and acquittal of an AS 7240.13 evaluation program.

Supplementary information

Schedule of relevant articles

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

Ident. type	Ident.	Title / description	Date issued (or date validated)	Source
Opus Research Report:	15-527724.07_CIE	Compliance Appraisal to AS7240.2:2004 "Fire Detection and Alarm Systems in Buildings CIE" Honeywell – AFP 3030 panel	July-2015	Opus Research, Petone, NZ
	15-527724.07_PSE	Compliance Appraisal to AS7240.4:2004 "Fire Detection and Alarm Systems in Buildings PSE" Honeywell – AFP 3030 PSE		
	15-527724.07_FBP	Compliance Appraisal to AS4428.3:2010 "Fire Brigade Panel" Honeywell – AFP 3030		
Datasheet	DOC-02-159:rev A	AFP-3030 Intelligent Fire Alarm Control Panel	10-Jun-2015	Notifier Inertia, NSW, AU
Document	DOC-01-031, Rev A	Fire Alarm Control Panel AFP-3030 Installation Manual Australian Edition	18-May-2015	
	DOC-01-032, Rev. A	Fire Alarm Control Panel AFP-3030 Programming Manual Australian Edition	27-May-2015	
	DOC-01-033, Rev. A	Fire Alarm Control Panel AFP-3030 Operations Manual Australian Edition	27-Apr-2015	

Reference columns (Ident. type / Ident.) span under the "Reference" header.