



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 1801	17-Jan-2006	Number 25	Issue date 20-Apr-2023	30-Apr-2024

Product designation

FireSense, Model AFP-2800, fire indicator 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 FireSense, Model AFP-2800, fire indicator panel has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 4428.1-1998, 'Fire detection, warning, control and intercom systems - Control and indicating equipment - Fire'.

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.

Producer's description

The FireSense, Model AFP-2800, fire indicator panel is a microprocessor based fire indicator panel configured as a Class 1 distributed digital/analogue addressable system. The system supports a maximum of two RS485 communication loops driving conventional modules as well as 10 loops of Flashscan or Classic Loop Interface Protocol (CLIP) devices via the LCM/LEM modules. Each LCM or LEM provides one two-wire fault tolerant loop. The manufacturer states that each loop provides a maximum of 159 analogue addressable detectors and 159 control/monitor modules.

Issued by

Kaj Loh
Executive Officer – ActivFire Scheme



Schedule to Certificate of Conformity

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afp - 1801	17-Jan-2006	Number 25	Issue date 20-Apr-2023	30-Apr-2024

Technical specification

The following details are a representative extract of the technical specification for the FireSense, Model AFP-2800, fire indicator 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 properties/characteristics

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

Loops	10 x Flashscan or Classic Loop Interface Protocol (CLIP)
Networking	XLS-NET
Cabinet colour	Charcoal

Schedule of components and/or assemblies

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

Module description	Module identification	Rev.	PCB number
CPU board	IFS713	C	IFS713
Termination board	IFS724	A	IFS724
Loop/Network Interface module	IFS725 (REM/LIM)	A	
PSI (Power supply Interface)	NI2012-01	H	NI2012-01-1A
	NI2017-01	C	
Loop control module (LCM)	ELCM-PCB (LCM-320PCA)	M	03566
Loop expansion module (LEM)	ELEM-PCB (LEM-320PCA)	L	03451
NCM-W network control module	NCM-WCPA	H	03423
LCD	2800 LCD	-	P141-10A
Annunciators			
32 Red LED	ACM-32A		AFP-2800/2802 Manual DOC-01-010
16 x Pushbutton inputs	ACM-16AT		
16 x Red LED			
16 x Yellow LED			
8 x 3 Position switches	SCS-8		
8 x Red LED			
8 x Yellow LED			
8 x Green LED			
1 x Fire Trip (A/C) Reset switch			
1 x Fire Trip (A/C) Activated/Latched LED			
24 x LED outputs & 25 digital inputs	SCS-8L		
32 x LED outputs (Open Collector)	LDM-32		
32 x Relay outputs rated to 1A @ 30Vdc	LDM-R32		

Power supplies	NI-2012 or NI-2017 control board with			
Models	PS243	PBC-70-27	PBC-150-27	SP-320-27
Type	Switch mode	Switch mode	Switch mode	Switch mode
Input voltage	240 Vac	240 Vac	240 Vac	240 Vac
Nominal output voltage	27.8 V	24 Vdc	24 Vdc	24 Vdc
Maximum rated output current	3 A	2.6A @ 27 Vdc	5.5A @ 27 Vdc	11.7A @ 27 Vdc
Circuit current limit	4.6 A	-	-	-
Circuit limit fuse rating	3.5 A (Electronic)	-	-	-
Battery charger:				
Charger voltage setting:	27.6 Vdc	27.6 Vdc	27.6 Vdc	27.6 Vdc
Circuit current limit:	4.6 A	-	-	-
Circuit limit fuse rating:	7.4 A (PTC)	-	-	-

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Certificate num.	Registration date	Version	Valid until	
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Schedule of compatible or connectable devices/modules

Single Line Circuit (SLC) modules:

Loop protocol: Flashscan

Device/module type	Maximum addressable points on analogue loop	Maximum addressable points on analogue line	Reference
FZM-1 input conventional zone interface module	159	-	XF1769/R2, August 2002 AS 4428.1 - 1998
FMM-1 input monitor module	159	-	
FRM-1 output relay module	159	-	
FMM-101 input mini monitor module	159	-	
FCM-1 control output module	159	-	XF2010/R2, Jun 2004 AS 4428.1 - 1998
XP6-C six circuit supervised control module	26	-	
XP6-MA six zone interface module	26	-	
XP6-R six relay control module	26	-	
XP10-M ten input monitor module	15	-	XF2493R1, October 2008
Notifier, Model ABS32/W integrated detector base sounder	64	n/a	
Notifier, Model AIBS32/W (ABS32/W-I) integrated detector base sounder (with isolator)			

Single Line Circuit (SLC) modules:

Loop protocol: Flashscan

Device/module type	Reference
Notifier, Model FSM500K, manual call point	These devices/modules have been designated by the Producer as connectable with the certified/listed equipment
AWB/R Intelligent wall mounted beacon, red lens	
AWS32/R Intelligent wall mount sounder	
AWSB32/R/R Intelligent wall mount sounder, red body and lens	
FDM-1 Dual switch input module	
FDMR-1 Dual input/ output module	
ISO-X Loop (SLC) isolator module	
M700X Isolator module in 200 series	
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)	
NFX-MCP-GLASS Intelligent Manual Call Point (SS India)	
NFX-WF-RR Addressable strobe (NFX Series)	
NFX-WSF-RR Addressable sounder/strobe (NFX Series)	
NFX-WS-R Addressable sounder (NFX Series)	
NFX-WS-W Addressable sounder (NFX Series)	
WCP-5A Outdoor manual call point	
XP5-M 5 way input module	
XP5-R 5 way relay modules	
XP5-C 5 way control module	

Schedule to Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 1801	17-Jan-2006	Number 25	Issue date 20-Apr-2023	30-Apr-2024

Single Line Circuit (SLC) modules:

Loop protocol: Classic Loop Interface Protocol (CLIP)

Device/module type	Maximum addressable points on analogue loop	Maximum addressable points on analogue line	Reference
M502M, input conventional zone interface module	159	-	XF1769/R2, August 2002 AS 4428.1 - 1998 XL1960.04
M500M, input monitor module	159	-	
M500R, output relay module	159	-	
M501M, input mini monitor module	159	-	
M500S, control output module	159	-	
SC-6, six circuit supervised control module	26	-	XF2010/R2, Jun 2004 AS 4428.1 - 1998 XL1960.04
CZ-6, six zone interface module	26	-	
CR-6, six relay control module	26	-	
IM-10, ten input monitor module	15	-	

Single Line Circuit (SLC) actuating devices:

Loop protocol: Flashscan

Actuating or integrated device	Maximum addressable points on analogue loop	Maximum addressable points on analogue line	Reference
Notifier, FSI-751, smoke ionization	159	40*	XF1769/R2, August 2002 AS 4428.1 - 1998
Notifier, FSP-751, smoke photoelectric	159	40*	
Notifier, FAPT-751 Acclimate, Multi-sensor	159	40*	
Notifier, FST-751, heat type B	159	40*	
Notifier, FST-751R, heat type A	159	40*	
<i>The above detectors with the System Sensor B501 base.</i>			
Notifier, FSI-851AUS, smoke ionization	159	40*	XF1769/R2, August 2002 AS 4428.1 - 1998 and xla-1335, 22-Dec-2006
Notifier, FSP-851AUS, smoke photoelectric	159	40*	
Notifier, FAPT-851AUS, Acclimate, multi-sensor	159	40*	
Notifier, FST-851AUS, heat type B	159	40*	
Notifier, FST-851RAUS, heat type A	159	40*	
Notifier, FSL-751 VIEW, smoke photoelectric	159	40*	
<i>The above detectors with the System Sensor B501 base</i>			
Notifier, Model ABS32/W integrated detector base sounder	64	n/a	XF2493R1, October 2008
Notifier, Model AIBS32/W (ABS32/W-I) integrated detector base sounder (with isolator)	64	n/a	
<i>The above detector base sounders with the Notifier LPBW (mounting/wiring base) and one of the following actuating devices</i>			
1. Notifier, FSI-851AUS, smoke ionisation			XF2329/R1, July 2007
2. Notifier, FSP-851AUS, smoke photoelectric			
3. Notifier, FAPT-851AUS Acclimate, multi-sensor			
4. Notifier, FST-851AUS, heat type B			
5. Notifier, FST-851RAUS, heat type A			XF2432/R1, November 2009
6. Notifier, FSL-751 VIEW, smoke photoelectric			
Notifier, SDX-751CTEM	99	40*	
Notifier, FSC-851AUS	159	40*	
<i>The above detectors with the Notifier B501 base</i>			
Notifier, FSB-200	159	40*	XF2069/R1, August 2006
Notifier, FSB-200S	159	40*	

* Maximum number of detectors per AZF/AZC allowed by code.

Actuating device	Maximum number of devices allowed per AZM-8, PAZM-8 & internal AZFs EOL 4K7 - 24 V	Reference
Hochiki, DCA-B-60R Mk V, heat type A	40*	XF1822/R1, July 2002 AS 4428.0-1997, Appendix E
Hochiki, DCA-B-90R Mk I, heat type C	40*	
Hochiki, DCC-A, heat type A	40*	
Hochiki, DCC-C, heat type C	40*	
<i>The above detectors with Hochiki YBF-RL/4AH4M Base</i>		
Hochiki, DCD-A, heat type A	40*	
Hochiki, DCD-C, heat type C	40*	

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Actuating device	Maximum number of devices allowed per AZM-8, PAZM-8 & internal AZFs EOL 4K7 - 24 V	Reference
<i>The above detectors with Hochiki YBN-R/4A or YBO-R/4A Bases</i>		
Hochiki, DFE-60B, heat type B	40*	
Hochiki, DFE-90D, heat type D	40*	
<i>The above detectors with Hochiki YBF-RL/4AH4M Base</i>		
Hochiki, DFG-60BLKJ, heat type B (Cool Room)	40*	
Hochiki, DFJ-60B, heat type B	40*	
Hochiki, DFJ-90D, heat type D	40*	
<i>The above detectors with Hochiki YBN-R/4A or YBO-R/4A Bases</i>		
Hochiki, SIH-AM, smoke ionisation with Hochiki YBF-RL/4AH4M Base	35	
Hochiki, SIJ-AS, smoke ionisation with Hochiki YBN-R/4A or YBO-R/4A Bases	35	
Hochiki, SLK-A, smoke photoelectric with Hochiki YBF-RL/4AH4M Base	35	
Hochiki, SLR-AS, smoke ionisation with Hochiki YBN-R/4A or YBO-R/4A Base	40*	

* Maximum number of detectors per AZF/AZC allowed by code.

Single Line Circuit (SLC) actuating devices:

Loop protocol: Flashscan

Actuating device	Reference
B524IEFT(W) Short circuit isolator base	
FDX-851AUS Intelligent thermal sensor	
FDX-851RAUS Intelligent thermal sensor	
FSD-751PL Innovair Low-Flow DSU	
FSL-751 View™ high sensitivity laser sensor	
FST-851R-WP Intelligent sealed thermal sensor	
FST-851-WP Intelligent sealed thermal sensor	
IDX-751 Intrinsically safe addressable photo-electric detector	
LPX-751AUS(L) View™ high sensitivity laser sensor	
NFX-TFI78-IV Intelligent High Temp Heat	
SDX-751CTEM SMART 4	
SDX-851 Intelligent photo sensor	
SLC-IM Modbus interface module	
These devices/modules have been designated by the Producer as connectable with the certified/listed equipment	
System Sensor, 2151BAUS, smoke, photoelectric	
System Sensor, 51A51, type A heat	
System Sensor, 51B51, type C heat	
System Sensor, 51C51, type C heat	
System Sensor, 51D51, type C heat	
<i>The above System Sensor detectors with System Sensor P/N B401 base</i>	
System Sensor, 885WP-B, type B heat	
<i>Surface mounting; provided with "flying" leads for electrical connection</i>	
Notifier, FDX-751BAUS, type B heat	
Notifier, FDX-751RBAUS, type A heat	
<i>The above detectors with System Sensor/Notifier, B501 base</i>	
Notifier, SDX-751AUS smoke	
<i>The above detectors with Notifier, Model B501, System Sensor, B501 or B501BH bases</i>	
Notifier Innovair™, Model FSD-751P, duct sampling unit	
Notifier, Model FSM500K, manual call point	