



ACTIVE FIRE PROTECTION-EQUIPMENT LISTING SCHEME

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LISTING NUMBER

**afp - 1801**

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## **PRODUCT LISTING DATA SHEET** **(Active Fire Protection Equipment)**

### **Product designation**

#### **FireSense, Model AFP-2800, fire indicator panel**

(Refer to the Technical Specification section of this document for further specific detail)

### **Supplier**

#### **FireSense Pty Ltd**

Unit 6, 16 Lexington Drive, Norwest Business Park, BELLA VISTA, NSW, AUSTRALIA, 2153

### **Manufacturer**

#### **Notifier Inertia**

9 Columbia Court, Norwest Business Park, BAULKHAM HILLS, NSW, AUSTRALIA, 2153

### **Supplier'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 Notifier Flashscan analogue addressable device via the LCM/LEM modules. Each LCM or LEM provides one two-wire fault tolerant loop. The manufacturer states that each Flashscan loop provides a maximum of 159 analogue addressable detectors and 159 control/monitor modules.

### **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'.

Certification/listing is subject to ActivFire Scheme terms and conditions as applicable to the designated registrant and supplier.

### **Limitations/conditions of conformance**

**Limitations/conditions of conformance, where identified on this Product Listing Data Sheet, are derived from qualifications within the report of the testing agency and/or other related technical documentation. It is recommended that all details with respect to design, assembly and installation instructions and restrictions should be checked against the supplier's/manufacturer'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.



This product listing data sheet should be read in conjunction with the general requirements of the terms and conditions of listing under the ActivFire Scheme.

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Executive Officer

### 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 supplier's/manufacturer's technical manual/data sheets.

Power supplies Models	IFS 2012 or IFS2017 control board with			
	PS243	PBC-70-27	PBC-150-27	SP-320-27
	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)	-	-	-
<b>Battery charger:</b>				
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)	-	-	-

### Supplementary information

#### Evaluated modules

Module description	Module identification	Rev.	PCB number	Iss.
Notifier Inertia loop control module	LCM-320PCA	C	03566	4
Notifier Inertia loop expansion module	LEM-320PCA	C	03451	4
Notifier Inertia loop expansion module	REM/LIM	A	IFS725	E
Termination board	Termination Board	A	IFS724	D
Notifier Inertia CPU board	CPU Board	B	IFS713	D
Notifier Inertia LCD	2800 LCD	-	P141-10A	-
Notifier Inertia PS1	NI2012	B	NI2012-01-1A	-
Notifier Inertia AFP2800 NCM-W network control module	NCM-WCPA	C	03423	C

#### Compatibility:

Analogue addressable input/output modules:

Loop protocol:

Notifier Flashscan

Nominal detector line voltage:

24 V (15 V min. & 32 V max.)

Device 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	-	
XP6-C six circuit supervised control module	26	-	XF2010/R2, Jun 2004
XP6-MA six zone interface module	26	-	AS 4428.1 - 1998
XP6-R six relay control module	26	-	
XP10-M ten input monitor module	15	-	

**Actuating/integrated devices:****Loop protocol:**

Notifier Flashscan

**Nominal detector line voltage:**

24 V (15 V min. &amp; 32 V max.)

Actuating or integrated device	Maximum addressable points on analogue loop	Maximum addressable points on analogue line	Reference
Notifier, FSI-751, smoke ionisation	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 ionisation	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 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			
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			
6. Notifier, FSL-751 VIEW, smoke photoelectric			

\* Maximum number of detectors allowed by installation code AS 1670.1

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
Hochiki, DCA-B-90R Mk I, heat type C	40*	AS 4428.0-1997, Appendix E
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*	XF1822/R1, July 2002
Hochiki, DCD-C, heat type C	40*	AS 4428.0-1997, Appendix E
<i>The above detectors with Hochiki YBN-R/4A or YBO-R/4A Bases</i>		
Hochiki, DFE-60B, heat type B	40*	XF1822/R1, July 2002
Hochiki, DFE-90D, heat type D	40*	AS 4428.0-1997, Appendix E
<i>The above detectors with Hochiki YBF-RL/4AH4M Base</i>		
Hochiki, DFG-60BLKJ, heat type B (Cool Room)	40*	XF1822/R1, July 2002 AS 4428.0-1997, Appendix E
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	XF1822/R1, July 2002 AS 4428.0-1997, Appendix E
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 allowed by installation code AS 1670.1

**Actuating device**

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

*The above detectors with System Sensor P/N B401 base*

System Sensor, 885WP-B, type B heat

*Surface mounting; provided with "flying" leads for electrical connection*

**Actuating device**

Notifier, FDX-751BAUS, type B heat

Notifier, FDX-751RBAUS, type A heat

*The above detectors with System Sensor/Notifier, B501 base*

Notifier, SDX-751AUS smoke

*The above detectors with Notifier, Model B501, System Sensor, B501 or B501BH bases*

Notifier Innovair™, Model FSD-751P, duct sampling unit

Notifier, Model FSM500K, manual call point