



Certificate of Conformity

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Product designation

Notifier Inertia, Model AFP-2800, fire indicator panel

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

Agent/distributor

Notifier Inertia

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

Registrant

Notifier Inertia

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

Producer

Notifier Inertia

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

Conformance criteria and evaluation

The Notifier Inertia, 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.

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.

Issued by

David Whittaker

Executive Officer – ActivFire Scheme



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Producer's description

The Notifier Inertia, 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.

Technical specification

The following details are a representative extract of the technical specification for the Notifier Inertia, 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.

Power supplies	NI-2012 or NI-2017 control board with			
Models	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)	-	-	-
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)	-	-	-

Supplementary information

Evaluated modules

Module description	Module identification	Rev.	PCB number	Iss.
Loop control module	LCM-320PCA	C	03566	4
Loop expansion module	LEM-320PCA	C	03451	4
Loop expansion module	REM/LIM	A	IFS725	E
Termination board	Termination Board	A	IFS724	D
CPU board	CPU Board	B	IFS713	D
LCD	2800 LCD	-	P141-10A	-
PSI (Power supply Interface)	NI2012	G	NI2012-01-1A	-
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 AS 4428.1 - 1998
XP6-MA six zone interface module	26	-	
XP6-R six relay control module	26	-	
XP10-M ten input monitor module	15	-	

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Actuating devices:

Loop protocol:

Notifier Flashscan

Nominal detector line voltage:

24 V (15 V min. & 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>			XF2493R1, October 2008
Notifier, Model ABS32/W integrated detector base sounder	64	n/a	
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	4. Notifier, FST-851AUS, heat type B		
2. Notifier, FSP-851AUS, smoke photoelectric	5. Notifier, FST-851RAUS, heat type A		
3. Notifier, FAPT-851AUS Acclimate, multi-sensor	6. Notifier, FSL-751 VIEW, smoke photoelectric		
Notifier, SDX-751CTEM	99	40*	XF2329/R1, July 2007
Notifier, FSC-851AUS	159	40*	XF2432/R1, November 2009
<i>The above detectors with the Notifier B501 base</i>			XF2069/R1, August 2006
Notifier, FSB-200	159	40*	
Notifier, FSB-200S	159	40*	

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

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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
Hochiki, DFJ-60B, heat type B	40*	AS 4428.0-1997, Appendix E
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
Hochiki, SIJ-AS, smoke ionisation with Hochiki YBN-R/4A or YBO-R/4A Bases	35	AS 4428.0-1997, Appendix E
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.

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
<i>The above 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>

Actuating device
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