

Certificate of Conformity

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Product designation

Inertia, Model 2400/8, 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 Inertia, Model 2400/8, fire indicator panel has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 1603.4-1987, 'Automatic fire detection and alarm systems - Control and indicating equipment'.

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 fire detector and its base assembly with new or existing control and indicating equipment 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 Inertia, Model 2400/8, fire indicator panel is a microprocessor based fire indicator panel (FIP) controlling 8 alarm zone inputs which is expandable to a maximum of 24 inputs with individual alarm, fault & isolate indicators. The FIP also provides a maximum of 24 relay outputs. In addition, a 16 character by 2 line LCD was provided, which allows each AZF to have programmable options such as choosing circuits to have alarm verification, mapping of zones to logical outputs and selecting timing delays to suit various controlling outputs. A 2.5 A, 20.5 Vdc door holder transformer was provided for the release of smoke and fire doors.

Technical specification

The following details are a representative extract of the technical specification for the Inertia, Model 2400/8, fire indicator panel and may be subject to change. Complete and current details should be determined from the designated supplier's/manufacture's technical manual/data sheets.

Power Supply: 1.44A constant potential (27.6Vdc)
Battery Charger: (1.34-IQ) A at 27.6Vdc o/c
AZF: 801/C, 23Vdc
 Current limit 41mA
 EOL 4K7 OHMS $\pm 5\%$
 This AZF is located on main termination board.

Module power consumption

Module	Quiescent current (IQ)	Alarm current (IA)
AZF 801/C	7.0 mA	18.6 mA (Not a short circuit on AZF)
MAF	19 mA	62 mA
ACF	9 mA	90 mA (with 4 alarms)
PS MON	55.5 mA	

Supplementary information

Evaluated modules

Module description	PCB number	Technical drawing number	Assembly
Main Control Board	800/I	800/I	IFS 800/1
Main Termination Board	801/L5	801/L5	IFS 801
Zone Indicator Board	802/B	802/B	IFS 802B
Add on Relay Board	803/B	803/B	IFS 803B
Zone Expansion Board	804/G	804/G	IFS 804G
Status display Unit	IFS 911B	IFS 911B	IFS 911B
Stand Alone Power Supplies			
PS243	IFS914/I	IFS914/I	IFS914/I
PS249	IFS915G	IFS915G	IFS915G
PS241	IFS910G	IFS910G	IFS910G

Actuating devices

Device	Maximum number of devices allowed per 801/C AZF	Reference
Apollo, P/N 53531-270, Heat, Type C	34	XB0668, Mar 1992
Apollo, P/N 53531-271, Heat, Type A	34	AS 1603.4-1987 amdt 1 & 2
Apollo, P/N 53531-272, Heat, Type B	34	
Apollo, P/N 53531-273, Heat, Type D	34	
Apollo, P/N 53541-161, Smoke, Ionisation	40*	
Apollo, P/N 53351-201, Smoke, Photoelectric	34	
<i>The above detectors with Apollo P/N 45681-007 base.</i>		
Brooks, PFS-A, Heat, Type A	40*	XB0668, Mar 1992
Brooks, PFS-B, Heat, Type B	40*	AS 1603.4-1987 amdt 1 & 2
Brooks, PFS-C, Heat, Type C	40*	
Brooks, PFS-D, Heat, Type D	40*	
Brooks, PFS-I, Smoke, Ionisation	39	
Brooks, PFS-I MkII, Smoke, Ionisation	40*	
Brooks, PFS-P, Smoke, Photoelectric	39	

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Device	Maximum number of devices allowed per 801/C AZF	Reference
Brooks, PFS-P MkII, Smoke, Photoelectric	40*	
<i>The above detectors with Brooks, PFS - BA base</i>		
Hochiki, DCA-B-60R MkV, Heat, Type A	40*	XB0668, Mar 1992
Hochiki, DCA-B-90R MkI, Heat, Type C	40*	AS 1603.4-1987 amdt 1 & 2
Hochiki, DFE-60B, Heat, Type B	40*	"
Hochiki, DFE-90D, Heat, Type D	40*	"
Hochiki, SIH-A, Smoke, Ionisation	38	"
Hochiki, SLK-A, Photoelectric Smoke Detector	38	"
<i>The above detectors with Hochiki YBF-RL/4AHM base</i>		
Olsen, T56B, Heat Type A,B,C & D	40*	XB0668, Mar 1992
Olsen, C24B, Smoke, Ionisation	27	AS 1603.4-1987 amdt 1 & 2
Olsen, P24B, Smoke, Photoelectric	27	"
<i>The above Olsen detectors with Z54B base (latch & LED)</i>		
VESDA® E700 MKII, Smoke, Multi-point Aspirating		XB0668, Mar 1992
Note: <i>The maximum number of VESDA® systems which can be connected to one AZF is limited by the area coverage defined in AS 1670 and by power supply capacity.</i>		AS 1603.4-1987 amdt 1 & 2

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

Device	Maximum number of devices allowed per MTB (4k7) AZF	Reference
Apollo, P/N 55000-105AUS, Heat, Type A	40*	XB1065/R1, Mar 1993
Apollo, P/N 55000-106AUS, Heat, Type B	40*	Compatibility Assessment
Apollo, P/N 55000-107AUS, Heat, Type C	40*	
Apollo, P/N 55000-108AUS-, Heat, Type D	40*	
Apollo, P/N 55000-240AUS, Smoke, Ionisation	40*	
Apollo, P/N 55000-310AUS, Smoke, Photoelectric	40*	
<i>The above detectors with Apollo P/N 45681-200 base (non-indicating)</i>		
Hochiki, DCC-A, Type A Heat	40*	XB0994/R1, Nov 1992
Hochiki, DCC-C, Type C Heat	40*	Compatibility Assessment
<i>The above detectors with Hochiki YBF-RL/4AH4M indicating or YBC-R/3A non-indicating base</i>		

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

Device	Maximum number of devices allowed per AZF EOL 4k7 - 24 v	Reference
Hochiki, DCD-A, Heat, Type A	40*	XF1252/R1, Feb. 1998
Hochiki, DCD-C, Heat, Type C	40*	Compatibility Assessment
Hochiki, DFJ-60B, Heat, Type B	40*	
Hochiki, DFJ-90D, Heat, Type D	40*	
Hochiki, SIJ-ASN, Smoke, Ionisation	40*	XF1252/R1, Feb. 1998
Hochiki, SLR-AS, Smoke, Photoelectric	40*	Compatibility Assessment
<i>The above detectors with Hochiki YBO-R/4A base</i>		
Simplex, 2098-9201, Smoke, Photoelectric	40*	XF1088/R1, Aug 1995
Simplex, 2098-9576, Smoke, Ionisation	40*	Compatibility Assessment
Simplex, 4098-9413, Heat, Type A	40*	
Simplex, 4098-9414, Heat, Type B	40*	
Simplex, 4098-9415, Heat, Type C	40*	
Simplex, 4098-9416, Heat, Type D	40*	
<i>The above detectors with Simplex P/N 2098-9211 base</i>		
System Sensor, 1151AUS, Smoke, Ionisation	40*	XF1261/R1, Dec 1996
System Sensor, 2151AUS, Smoke, Photoelectric	27	Compatibility Assessment
System Sensor, 4451, Heat, Type B	40*	
System Sensor, 5451, Heat, Type A	38	
System Sensor, 51A51, Type A Heat	34	XF1742/R1 Dec 2000
System Sensor, 51C51, Type C Heat	34	Compatibility Assessment

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Device	Maximum number of devices allowed per AZF EOL 4k7 - 24 v	Reference
<i>The above detectors with System Sensor P/N B401 base</i>		
Ziton, Z620-722-1, Heat, Type A	40*	XF1278/R1, Feb 1997
Ziton, Z620-721-1, Heat, Type B	40*	Compatibility Assessment
Ziton, Z620-982-1, Heat, Type C	40*	
Ziton, Z620-981-1, Heat, Type D	40*	
Ziton, Z630-, Smoke, Photoelectric	40*	
<i>The above detectors with Ziton Z6BS1-SP base</i>		

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