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Certificate of Conformity

Certificate num.	Registration date	Version Number	Version Issue date	Valid until	
afp - 2100	1-May-2007	12	28-Apr-2017	30-Apr-2018	Page **1** of **3**

Product designation

Notifier, Model NFS2-8 AP, fire control panel

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

Agent/distributor

Honeywell Security and Fire
9 Columbia Way, BAULKHAM HILLS, NSW, AUSTRALIA, 2153

Registrant

Honeywell Security and Fire
9 Columbia Way, BAULKHAM HILLS, NSW, AUSTRALIA, 2153

Producer

Notifier Fire Systems Ltd
Charles Avenue, Burgess Hill, WEST SUSSEX, UNITED KINGDOM, RH15 9UF UK

Conformance criteria and evaluation

The Notifier, Model NFS2-8 AP, fire 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)'.

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. This equipment is designed to operate within an ambient temperature range between -5 °C and +40 °C.

iii. The optional 8 way relay PCB has not been verified as conforming to the requirements of the applicable standard and is excluded as a component of a listed system.

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, Model NFS2-8 AP, fire control panel is conventional, microprocessor based control and indicating equipment (c.i.e.). It is supplied in a plastic housing with a removable front door designed for surface mounting.

The c.i.e includes two, four or eight conventional alarm zones, power supply and standby batteries. Two sounder outputs are provided on the main PCB, with one Fire Relay (voltage free) and one fault relay (voltage free) provided on an expansion board.

The c.i.e. is fitted with two main printed circuit boards (PCB) connected by a 16 way ribbon cable. The main PCB mounts into the c.i.e. housing and includes field connections for the c.i.e. (alarm zones and outputs). It includes the main microprocessor of the system along with switches and indicators for the operator interface. The power supply PCB mounts behind the main PCB and includes the mains power transformer and power supply equipment (p.s.e). The batteries sit in the lower part of the c.i.e. and connect to the main PCB.

The c.i.e. can be fitted with batteries up to a maximum of 7Ah.

It is approximately 355mm wide x 318mm high x 96mm deep. Its operating environment is –5°C to +40°C, maximum 93% relative humidity (non-condensing).

Technical specification

The following details are a representative extract of the technical specification for the Notifier, Model NFS2-8 AP, fire control panel and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Case	
Installation	Wall or flush mount
Dimensions	335 x 318 x 96 mm
Power Supply	
Rated Voltage	24 Vdc
Total charger output	1.8 Amp
Maximum external load	1.0 Amp
Charger Voltage	27.3 Vcd @ 20 °C (Temperature Compensated)
Maximum battery size	7 Ah
Charger Fuse	1.6 A
Battery Fuse	1.6 A time delay
Number of Zones	8
Maximum zone capacity	See compatibility table below
Zone end of line device	0.47 µF capacitor or 4.7 kΩ Resistor (program selected)
Maximum zone current	2 mA
Sounder Outputs	
	2 x 0.5 A (4.7 kΩ EOL)
Operating Specifications	
Supply Voltage	230Vac ±15% @ 50/60Hz
Ambient Temperature	-5 °C to +40 °C
Humidity (max)	93% relative humidity (non-condensing)

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Supplementary information

Evaluated modules

Description	Identification		Serial number
	Number	Rev.	
MFS2-8 Main PCB	394-345	Iss. 05	1341654
NFS2-8 2W Relay PCB	394-347	Iss. 02	1366524
NFS2-8 Power Supply PCB	394-346	Iss. 05	1341945

Actuating devices

Brand	Model	Description	Maximum devices per AZF module (MFS2-8 Main PCB)[5]	Reference
System Sensor	1151AUS	Conventional Ionisation Smoke Detector using the System Sensor B401 base	32 (1)	XF2183/R2, Appendix E AS 4428.0-1997 (incl. amdt 1), Feb. 2006
System Sensor	2151AUS	Conventional Photoelectric Smoke Detector using the System Sensor B401 base	20	
System Sensor	51A51	Conventional Type A Heat Detector using the System Sensor B401 base	23	
System Sensor	51B51	Conventional Type B Heat Detector using the System Sensor B401 base	23	
System Sensor	51C51	Conventional Type C Heat Detector using the System Sensor B401 base	23	
System Sensor	51D51	Conventional Type D Heat Detector using the System Sensor B401 base	23	
System Sensor	885WP-B	Conventional Type B Sealed Heat Detector	32 (1)	
Honeywell	TC5151A	Conventional Type A Heat Detector using the Honeywell B401H base	23	
Honeywell	TC5151B	Conventional Type B Heat Detector using the Honeywell B401H base	23	
Honeywell	TC5151C	Conventional Type C Heat Detector using the Honeywell B401H base	23	
Honeywell	TC5151D	Conventional Type D Heat Detector using the Honeywell B401H base	23	
Inertia	RC	Manual Call Point (using 470Ω resistor)	(2)	
Notifier	M400KR	Manual Call Point (using 680Ω resistor)	(2)	
System Sensor	BEAM1224	Beam Type Smoke Detector (Hard Contact)	2 (3 & 4)	
System Sensor	BEAM1224S	Beam Type Smoke Detector (Hard Contact)	2 (3 & 4)	

Notes:

1. These detectors are limited to 32 per zone by the installation requirements specified for the NFS2-8 AP.
2. Hard contact devices - must be fitted with the appropriate series resistance.
3. Limited to 2 devices per zone. Also limited to a maximum of 12 devices per NFS2-8 due to the 500mA maximum output for the 24V auxiliary supply.
4. BEAM1224 and BEAM1224S are hard contact (relay) devices. Device must be fitted with a 470 Ohm series resistor due to short circuit detection on the NFS2-8 alarm zone circuits.
5. The AZF for this equipment is located on the main PCB.
6. The maximum number of devices per AZF/AZC is limited by the installation standard (AS 1670.1).