



# Certificate of Conformity

Certificate num.	Registration date	Version	Issue date	Valid until	
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## Product designation

**FireSense, Model IFS-888, 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 IFS-888, 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

Kai Loh

Executive Officer – ActivFire Scheme



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## Producer's description

The FireSense, Model IFS-888, fire indicator panel is a microprocessor based Fire Indicator Panel (FIP) configured as a conventional system. The power supply/battery charger, 5 V CPU power supply, microprocessor memory and interface, keyboard and display, interface and zone interface are incorporated into a single board. The FIP incorporates an 8 alarm AZF, with outputs for bell, ancillary control, general alarm, auxiliary, 8 mimic output and brigade connections.

The control and indicating functions on the keypad system are grouped together as MAF indicators and switches, individual AZF controls and indicators. The MAF include Mains On, battery fault, charger high, charger low, MAF isolated, ACF activated, ACF isolated, ACF fault, bell isolated, bell fault, and buzzer isolated. These switches are of a membrane type. Individual alarm, fault, and isolate indicators are provided for each zone. Programmable options are available in the selection of zone types, input delays, indication of zone outputs and the selection of latching/non latching ACF output.

## Technical specification

The following details are a representative extract of the technical specification for the FireSense, Model IFS-888, 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.

Cabinet:	Zinc Sealed Steel 1.6mm		
	Powder Coated (Charcoal)		
	Hinged Outer Door		
	003 Keyed Lock		
Outside dimensions:	888	440mm H x 390mm W x 120mm D	
	Battery Box	280mm H x 390mm W x 120mm D	
AC operational voltage:	240Vac @ 50Hz +6 -10%		
Internal power supplies:	Battery Charger	27Vdc	1.0 A
	Panel Supply	24Vdc (nom)	1.5 A
	Logic supply	5Vdc	2.0 A
Microprocessor:	80052		
Memory Type:	Non-volatile E2ROM		
Fuses:	F1:	AC Input	M205 2.5A
	F2:	AUX Power	M205 1A slow blow
	F3:	Bell Output	M205 1A
	F4:	ACF Output	M205 1A
	F7:	Warning System	M205 1A
E.O.L resistor on AZF's:	4K7 Ω		

## Supplementary information

### Evaluated modules

Module description	Module		PCB		Tech. drawing		Reference
	ident.	rev.	num	issue	num.	issue	
Processor board	008	I	PCB 008	I	008 KEY	E	XF1846/R1, AS 4428.1 - 1998
					008 PROC	E	
					008 REF	E	
					008 ZONE	E	
					008 RLY	E	
					008 POW	E	

### EPROM:

IFS888 V8.5

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## Actuating devices

Device	Maximum number of devices per AZF EOL 4k7 - 24 V	Reference
Apollo, P/N 53531-270, Heat, Type C	34	XF1846/R2, XF1033/R1
Apollo, P/N 53531-271, Heat, Type A	34	"
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 Panelect, PFS-A, Heat, Type A	40*	XF1846/R2, XF1033/R1
Brooks Panelect, PFS-B, Heat, Type B	40*	"
Brooks Panelect, PFS-C, Heat, Type C	40*	"
Brooks Panelect, PFS-D, Heat, Type D	40*	"
Brooks Panelect, PFS-I, Smoke, Ionisation	39	"
Brooks Panelect, PFS-I MkII, Smoke, Ionisation	40*	"
Brooks Panelect, PFS-P, Smoke, Photoelectric	39	"
Brooks Panelect, PFS-P MkII, Smoke, Photoelectric	40*	"
<i>The above detectors with Panelect PFS - BA indicating base</i>		
Hochiki, DCA-B-60R MkV, Heat, Type A	40*	XF1846/R2, XF1033/R1
Hochiki, DCA-B-90R MkI, Heat, Type C	40*	"
<i>The above detectors with Hochiki YBF-RL/4AHM base</i>		
Hochiki, DCD-A, Heat, Type A	40*	XF1846/R2, XF1252/R1
Hochiki, DCD-C, Heat, Type C	40*	"
<i>The above detectors with Hochiki YBO-R/4A base.</i>		
Hochiki, DFE-60B, Heat, Type B	40*	XF1846/R2, XF1033/R1
Hochiki, DFE-90D, Heat, Type D	40*	"
<i>The above detectors with Hochiki YBF-RL/4AHM base</i>		
Hochiki, DFJ-60B, Heat, Type B	40*	XF1846/R2, XF1252/R1
Hochiki, DFJ-90D, Heat, Type D	40*	"
<i>The above detectors with Hochiki YBO-R/4A base</i>		
Hochiki, SIH-A, Smoke, Ionisation	38	XF1846/R2, XF1033/R1
Hochiki, SLK-A, Photoelectric Smoke Detector	38	"
<i>The above detectors with Hochiki YBF-RL/4AHM base</i>		
Hochiki, SIJ-ASN, Smoke, Ionisation	40*	XF1846/R2, XF1252/R1
Hochiki, SLR-AS, Smoke, Photoelectric	40*	"
Olsen, T56B, Heat, Type A,B,C & D	40*	XF1846/R2, XF1033/R1
Olsen, C24B, Smoke, Ionisation	27	"
Olsen, P24B, Smoke, Photoelectric	27	"
<i>The above Olsen detectors with Z54B base (latch &amp; LED)</i>		
Simplex, 2098-9201, Smoke, Photoelectric	40*	XF1846/R2, XF1088/R1
Simplex, 2098-9576, Smoke, Ionisation	40*	"
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*	XF1846/R2, XF1261/R1
System Sensor, 2151AUS, Smoke, Photoelectric	27	"
System Sensor, 4451, Heat, Type B	40*	"
System Sensor, 5451, Heat, Type A	38	"
System Sensor, 51A51, Type A Heat	34	XF1846/R2, XF1742/R1
System Sensor, 51C51, Type C Heat	34	"
<i>The above detectors with System Sensor P/N B401 base</i>		
VESDA® E700 MKII, Smoke, Multi-point Aspirating		XF1846/R2, XF1033/R1
<i>The maximum number of VESDA® systems which can be connected to one AZF is also limited by the area coverage defined by installation standards and by power supply capacity.</i>		
Ziton, Z620-722-1, Heat, Type A	40*	XF1846/R2, XF1278/R1
Ziton, Z620-721-1, Heat, Type B	40*	"

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Device	Maximum number of devices per AZF EOL 4k7 - 24 V	Reference
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.