



Certificate of Conformity

| Certificate num. | Registration date | Version | Valid until | |
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| afp - 1801 | 17-Jan-2006 | Number 27 | Issue date 20-Mar-2025 | 30-Apr-2026 |

Product designation

FireSense, Model AFP-2800, 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 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.

Producer'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 Flashscan or Classic Loop Interface Protocol (CLIP) devices via the LCM/LEM modules. Each LCM or LEM provides one two-wire fault tolerant loop. The manufacturer states that each loop provides a maximum of 159 analogue addressable detectors and 159 control/monitor modules.

Issued by

Kaj Loh
Executive Officer – ActivFire Scheme



Schedule to Certificate of Conformity

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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 producer's technical manual/data sheets.

Schedule of properties/characteristics

The following schedule is an extract of physical and operational properties/characteristics of the certified/listed equipment.

| | |
|----------------|--|
| Loops | 10 x Flashscan or Classic Loop Interface Protocol (CLIP) |
| Networking | XLS-NET |
| Cabinet colour | Charcoal |

Schedule of components and/or assemblies

The following is a schedule of validated components and/or assemblies of the certified/listed equipment.

| Module description | Module identification | Rev. | PCB number |
|--|-----------------------|------|------------------------------------|
| CPU board | IFS713 | C | IFS713 |
| Termination board | IFS724 | A | IFS724 |
| Loop/Network Interface module | IFS725 (REM/LIM) | A | |
| PSI (Power supply Interface) | NI2012-01 | H | NI2012-01-1A |
| | NI2017-01 | C | |
| Loop control module (LCM) | ELCM-PCB (LCM-320PCA) | M | 03566 |
| Loop expansion module (LEM) | ELEM-PCB (LEM-320PCA) | L | 03451 |
| NCM-W network control module | NCM-WCPA | H | 03423 |
| LCD | 2800 LCD | - | P141-10A |
| Annunciators | | | |
| 32 Red LED | ACM-32A | | AFP-2800/2802 Manual DOC-01-010 |
| 16 x Pushbutton inputs 16 x Red LED 16 x Yellow LED | ACM-16AT | | |
| 8 x 3 Position switches 8 x Red LED 8 x Yellow LED 8 x Green LED 1 x Fire Trip (A/C) Reset switch 1 x Fire Trip (A/C) Activated/Latched LED | SCS-8 | | |
| 24 x LED outputs & 25 digital inputs | SCS-8L | | |
| 32 x LED outputs (Open Collector) | LDM-32 | | |
| 32 x Relay outputs rated to 1A @ 30Vdc | LDM-R32 | | |

| Power supplies | NI-2012 or NI-2017 control board with | | | |
|------------------------------|---------------------------------------|---------------|---------------|----------------|
| Models | PS243 | PBC-70-27 | PBC-150-27 | SP-320-27 |
| Type | 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) | - | - | - |

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Schedule of compatible or connectable devices/modules

Single Line Circuit (SLC) modules:

Loop protocol: Flashscan

| Device/module 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 | - | |
| Notifier, Model ABS32/W integrated detector base sounder | 64 | n/a | XF2493R1, October 2008 |
| Notifier, Model AIBS32/W (ABS32/W-I) integrated detector base sounder (with isolator) | | | |

Single Line Circuit (SLC) modules:

Loop protocol: Flashscan

| Device/module type | Reference |
|--|---|
| Notifier, Model FSM500K, manual call point | These devices/modules have been designated by the Producer as connectable with the certified/listed equipment |
| AWB/R Intelligent wall mounted beacon, red lens | |
| AWS32/R Intelligent wall mount sounder | |
| AWSB32/R/R Intelligent wall mount sounder, red body and lens | |
| FDM-1 Dual switch input module | |
| FDMR-1 Dual input/ output module | |
| ISO-X Loop (SLC) isolator module | |
| M700X Isolator module in 200 series | |
| NFX-BF-IVR Addressable strobe base (NFX Series) | |
| NFX-BSF-IVR Addressable sounder/strobe base (NFX Series) | |
| NFX-BS-IV Addressable sounder base (NFX Series) | |
| NFXI-BS-IV Addressable sounder base (NFX Series) | |
| NFX-MCP-GLASS Intelligent Manual Call Point (SS India) | |
| NFX-WF-RR Addressable strobe (NFX Series) | |
| NFX-WSF-RR Addressable sounder/strobe (NFX Series) | |
| NFX-WS-R Addressable sounder (NFX Series) | |
| NFX-WS-W Addressable sounder (NFX Series) | |
| WCP-5A Outdoor manual call point | |
| XP5-M 5 way input module | |
| XP5-R 5 way relay modules | |
| XP5-C 5 way control module | |

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Single Line Circuit (SLC) modules:

Loop protocol: Classic Loop Interface Protocol (CLIP)

| Device/module type | Maximum addressable points on analogue loop | Maximum addressable points on analogue line | Reference |
|---|---|---|---|
| M502M, input conventional zone interface module | 159 | - | XF1769/R2, August 2002 AS 4428.1 - 1998 XL1960.04 |
| M500M, input monitor module | 159 | - | |
| M500R, output relay module | 159 | - | |
| M501M, input mini monitor module | 159 | - | |
| M500S, control output module | 159 | - | |
| SC-6, six circuit supervised control module | 26 | - | XF2010/R2, Jun 2004 AS 4428.1 - 1998 XL1960.04 |
| CZ-6, six zone interface module | 26 | - | |
| CR-6, six relay control module | 26 | - | |
| IM-10, ten input monitor module | 15 | - | |

Single Line Circuit (SLC) actuating devices:

Loop protocol: Flashscan

| Actuating or integrated device | Maximum addressable points on analogue loop | Maximum addressable points on analogue line | Reference |
|--|---|---|---|
| Notifier, FSI-751, smoke ionization | 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 ionization | 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 AIBS32/W (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 | | | |
| 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> | | | |
| Notifier, FSB-200 | 159 | 40* | XF2069/R1, August 2006 |
| Notifier, FSB-200S | 159 | 40* | |

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

| 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 AS 4428.0-1997, Appendix E |
| Hochiki, DCA-B-90R Mk I, heat type C | 40* | |
| 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* | |
| Hochiki, DCD-C, heat type C | 40* | |

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| Actuating device | Maximum number of devices allowed per AZM-8, PAZM-8 & internal AZFs EOL 4K7 - 24 V | Reference |
|---|--|-----------|
| <i>The above detectors with Hochiki YBN-R/4A or YBO-R/4A Bases</i> | | |
| Hochiki, DFE-60B, heat type B | 40* | |
| Hochiki, DFE-90D, heat type D | 40* | |
| <i>The above detectors with Hochiki YBF-RL/4AH4M Base</i> | | |
| Hochiki, DFG-60BLKJ, heat type B (Cool Room) | 40* | |
| 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 | |
| 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 per AZF/AZC allowed by code.

Single Line Circuit (SLC) actuating devices:

Loop protocol: Flashscan

| Actuating device | Reference |
|---|-----------|
| B524IEFT(W) Short circuit isolator base | |
| FDX-851AUS Intelligent thermal sensor | |
| FDX-851RAUS Intelligent thermal sensor | |
| FSD-751PL Innovair Low-Flow DSU | |
| FSL-751 View™ high sensitivity laser sensor | |
| FST-851R-WP Intelligent sealed thermal sensor | |
| FST-851-WP Intelligent sealed thermal sensor | |
| IDX-751 Intrinsically safe addressable photo-electric detector | |
| LPX-751AUS(L) View™ high sensitivity laser sensor | |
| NFX-TFI78-IV Intelligent High Temp Heat | |
| SDX-751CTEM SMART 4 | |
| SDX-851 Intelligent photo sensor | |
| SLC-IM Modbus interface module | |
| These devices/modules have been designated by the Producer as connectable with the certified/listed equipment | |
| 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 System Sensor 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> | |
| 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 | |