



ACTIVE FIRE PROTECTION-EQUIPMENT LISTING SCHEME

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PRODUCT LISTING DATA SHEET **(Active Fire Protection Equipment)**

Product designation

Simplex, Model F3200, fire indicator panel

(Refer to the Technical Specification section of this document for further specific detail)

Supplier

Simplex Fire Products

47 Gilby Road, MOUNT WAVERLEY, VIC, AUSTRALIA, 3149

Manufacturer

Tyco Safety Products

17 Mary Muller Drive, CHRISTCHURCH, NEW ZEALAND, 8030

Supplier's description

The Simplex, Model F3200, fire indicator panel is a microprocessor based fire indicator panel (FIP), fitted with a 2 line, 40 character alpha-numeric liquid crystal display, and membrane keyboard. The FIP can be fitted with a total of 8 plug-in modules, each being either an 8 Alarm Zone Circuit module with an open collector output per zone, or an 8 Relay Module. The total system capacity is 64 alarm zones. The FIP can optionally incorporate 16 zone LED display boards to give a total display capacity of 64 zones. Provision is made for up to 8 Remote Zone Display Units (RDU) to be used for repeater indicators and control. A VDU/printer port is available for data access.

A network kit is available which allows a network of up to 64 F3200 panels, PTMs, NDUs and other Vigilant Panel-link compatible products to be interconnected. The network uses a duplicated RS485 link. Ring networking using a single RS485 pair, fibre optic cables, or other media, is available by using the I-Hub networking module.

A Network Display Unit (NDU) is essentially a networked F3200 FIP without any 8 Zone or 8 Relay Modules able to be connected. It is available as a slimline unit or in the standard cabinets with its own MAF/PSU. The NDU can be used as a "master" panel (e.g. for fire brigade connection) on a network.

Two different product ranges are available; one complies with AS 1603:Part 4 - 1987 and AS 4050(Int)-1992, the other with AS 4428:Part 1 - 1998.

Conformance criteria and evaluation

The Simplex, Model F3200, fire indicator panel complies with the requirements of Australian Standard AS 4428.1-1998, 'Fire detection, warning, control and intercom systems, Control and indicating equipment, Fire', Australian Standard AS 1603.4-1987, including amendment numbers 1 and 2, 'Automatic fire detection and alarms systems, Control and indicating equipment' and Australian Standard AS 4050(Int)-1992, 'Fire Detection and Alarm Systems, Firefighters' Control and Indicating Facilities'.

Listing is subject to ActivFire Scheme terms and conditions as applicable to the designated registrant and supplier.



This product listing data sheet should be read in conjunction with the general requirements of the terms and conditions of listing under the ActivFire Scheme.

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Executive Officer

Limitations/conditions of conformance

Limitations/conditions of conformance, where identified on this Product Listing Data Sheet, are derived from qualifications within the report of the testing agency and/or other related technical documentation. It is recommended that all details with respect to design, assembly and installation restrictions should be checked against the designated supplier's/manufacturer's current technical manual/data sheets and the requirements of the Authority having Jurisdiction.

Compatibility of the Simplex, Model F3200, fire indicator panel with detectors and base assemblies should be confirmed prior to installation.

Technical specification

The following details are a representative extract of the technical specification for the Simplex, Model F3200, fire indicator panel and may be subject to change. Complete and current details should be determined from the designated supplier's/manufacturer's technical manual/data sheets.

Mains Supply:	240 Vac +6% -10%
	0.5 A
	50Hz
System Power Supply:	3.0 A @ nominal 27.3Vdc @ 20°C
Temperature Compensation:	-36mV per °C nominal
Environmental:	-5° to 45°C (Ambient)
	RH 95% maximum @ 40°C (non-condensing)

Part Number Details:

AS 1603:Part 4	AS 4428:Part 1	Description
FP0550	FP0780	FIP, 24Z max, 3A PSU, no cardframe
FP0551	FP0781	FIP, 64Z max, 3A PSU, cardframe fitted
FP0583		FIP, 24Z max, 3A PSU, small cabinet
FP0712	FP0782	FIP, 24Z max, 6A PSU, no cardframe
FP0713	FP0783	FIP, 64Z max, 6A PSU, cardframe fitted
	FP0784	FIP, 8Z max, 3A PSU, small cabinet
FP0553	FP0553	8 zone input expansion kit
FP0554	FP0554	8 relay expansion kit
FP0714	FP0791	Network Display Unit (NDU), slimline
FP0715	FP0790	Network Display Unit (NDU), c/w MAF/PSU
FP0704	FP0795	Network Upgrade Kit, RS485
FP0771	FP0771	Network Upgrade Kit, I-Hub
FP0773	FP0792	Network Display Unit (NDU), slimline, flush mount
FP0774	FP0791	Network Display Unit (NDU), slimline, surface mount
	FP0793	Network Display Unit (NDU), slimline, deep
FP0733	FP0794	Network Display Unit (NDU), slimline, 4U 19" rack module

Current demands:

Module	Quiescent	Alarm
FP0550	130 mA	275 mA
FP0551	130 mA	275 mA
FP0583	130 mA	275 mA
AZC	10 mA	27 mA
LCD Backlight	Off - 19 mA	On - 75 mA

Supplementary information

Tested Modules:

Module Description	Assembly Number	Rev.	PCB Number	Iss.	Circuit Diagram	Iss.
8 Zone Module PA 0492	1931-4	A/2	1931-4	A	1931-4	2
MAF/PSU (AS 1603.4) PA 0491	1931-3-1	D/9	1931-3	D	1931-3	9
MAF/PSU (AS 4428.1) PA 0809	1931-3-2	D/9	1931-3	D	1931-3	9
Controller Board (AS 1603.4) PA 0797	1931-84	C/5	1931-84	C	1931-84	5
8 Relay Module PA 0493	1931-5	A/2	1931-5	A	1931-5	2
Display Board PA 0454	1901-25-1	C/3	1901-25	C	1901-25-1	3
PA 0741	1901-25-5	C/2	1901-25	C	1901-25-5	2
RS485 comms PA 0773	1901-139-3	C/4	1901-139	C	1901-139-3	4
Relay Driver Module PA 0461	1901-25-2	C/2	1901-25	C	1901-25-2	2
Controller (AS 4428.1) PA 0870	1931-111-1	B/2	1931-111	B	1931-111	2
MAF/PSU (AS 4428.1) PA 0873	1931-3-3	D/9	1931-3-3	D	1931-3	9
I-Hub Network Interface PA 0839	ECM9603	B/3	ECM9603	B	ECM9603	3
Fibre-Optic Modem OSD 139 RS232 Modem						

Eproms:	Ver-2.09	Ver-2.06	Ver-3.00	
Standard	\$16B7 SF0229	A\$A822	AS 4428	\$6B72 SF0221
Network	\$16BB SF0230	A\$A826	AS4428 Network	\$6B76 SF0222
NDU	\$16BD SF0231	A\$A828	NDU	\$6B78 SF0224

Manuals:	Issue	Date
Technical manual LT0121	2.7	
Operators manuals LT0119	2.04	
LT0250	1.00	31/10/2000

Test Reports:

- XB1209/R2, April 1994, AS 1603.4 - 1987 Amdt 1 & 2
- XB1348/R1, June 1994, AS 1603.4 - 1987 Amdt 1 & 2, Compatibility Assessment
- XF1054/R1, March 1995, AS 1603.4 - 1987 Amdt 1 & 2
- XF1252/R1, April 1998, AS 1603.4 - 1987 Amdt 1 & 2, Compatibility Assessment
- XF1364/R1, Feb 1998, AS 1603.4 - 1987 Amdt 1 & 2
- XF1450/R1, July 1998, AS 1603.4 - 1987 Amdt 1 & 2, Compatibility Assessment
- XF1457/R2, November 1998, AS 1603.4 - 1987 Amdt 1 & 2, Compatibility Assessment
- XF1624/R3, February 2000, AS 1603.4 - 1987 Amdt 1 & 2, Compatibility Assessment
- XF1722/R1, April 2001, AS 4428:Part 1 Assessment
- XF1757/R2, May 2001, AS 4428.0 - 1997 Appendix E, Compatibility Assessment
- XF1780/R1, July 2001, prEN54: Part 10 Assessment
- XF1875/R1, June 2002, AS 4428.1 - 1998, Compatibility Assessment
- XF1910/R1, July 2002, AS 4428.1 - 1998, Compatibility Assessment
- XF1930/R1, September 2002, AS 4428.1 - 1998, Compatibility Assessment

Supplementary information (continued)

Activating Devices:

Activating Device	Maximum Number of Devices Allowed per 1931-4 AZC	Test Report
Cerberus, DL01191A, Beam Detector	1	XF1450/R1, July 1998, Compatibility Assessment
Apollo, Series 60, P/N 55000-105, Heat Type A	40*	XB1209/R2, April 1994,
Apollo, Series 60, P/N 55000-106, Heat Type B	40*	AS 1603.4 - 1987 Amdt 1 & 2
Apollo, Series 60, P/N 55000-107, Heat Type C	40*	"
Apollo, Series 60, P/N 55000-108, Heat Type D	40*	"
Apollo, Series 60, P/N 55000-240, Smoke Ionisation	40*	"
Apollo, Series 60, P/N 55000-310, Smoke Photoelectric	40*	"
<i>The above detectors with Apollo P/N 45681 - 200 base (non - indicating)</i>		
Flameguard, Mk8, Heat Type A	22	XB1348/R1, June 1994
Flameguard, Mk8, Heat Type C	11	Compatibility Assessment
Hochiki, DCA-B-60R, Heat Type A	40*	XB1209/R2, April 1994,
Hochiki, DCA-B-90R, Heat Type C	40*	AS 1603.4 - 1987 Amdt 1 & 2
<i>The above detectors with Hochiki YBC-RL/4AH4, YBF-RL/4AH4 or YBF-RL/4AH4M bases</i>		
Hochiki, DCD-A Heat Type A	40*	XF1252/R1, February 1998,
Hochiki, DCD-C Heat Type C	40*	Compatibility Assessment
<i>The above detectors with Hochiki YBO-R/4A base</i>		
Hochiki, DFE-60B, Heat Type B	40*	XB1209, April 1994,
Hochiki, DFE-90D, Heat Type D	40*	AS 1603.4 - 1987 Amdt 1 & 2
<i>The above detectors with Hochiki YBC-RL/4AH4, YBF-RL/4AH4 or YBF-RL/4AH4M bases</i>		
Hochiki, DFJ-60B, Heat Type B	40*	XF1252/R1, February 1998,
Hochiki, DFJ-90D, Heat Type D	40*	Compatibility Assessment
<i>The above detectors with Hochiki YBO-R/4A base</i>		
Hochiki, HF-24A Mk 1, Flame	18	XB1209/R2, April 1994,
Hochiki, SIF-AM Mk 1, Smoke Ionisation	40*	AS 1603.4 - 1987 Amdt 1 & 2
Hochiki, SIH-AM, Smoke Ionisation	40*	
<i>The above detectors with Hochiki YBC-RL/4AH4, YBF-RL/4AH4 or YBF-RL/4AH4M bases</i>		
Hochiki, SIJ-ASN, Smoke Photoelectric with Hochiki YBO-R/4A base	40*	XF1252/R1, February 1998, Compatibility Assessment
Hochiki, SLG-AM Mk 1, Smoke Photoelectric	40*	XB1209/R2, April 1994,
Hochiki, SLK-A, Smoke Photoelectric	40*	AS 1603.4 - 1987 Amdt 1 & 2
<i>The above detectors with Hochiki YBC-RL/4AH4, YBF-RL/4AH4 or YBF-RL/4AH4M bases</i>		
Hochiki, SLR-AS Smoke Photoelectric with Hochiki YBO-R/4A base	40*	XF1252/R1, February 1998, Compatibility Assessment
Minerva, MD614, Heat Type A	40*	XF1624/R3, February 2000
Minerva, MD614, Heat Type C	40*	Compatibility Assessment
Minerva, MF614, Smoke Ionisation	40*	"
Minerva, MR614, Smoke Photoelectric	40*	"
Minerva, MR614T, Smoke Photoelectric	40*	"
Minerva, MU614, Carbon Monoxide	40*	"
<i>The above detectors with Minerva M614 base</i>		

* Maximum number of detectors allowed by code

Supplementary information (continued)

Activating Devices (continued):

Activating Device	Maximum Number of Devices Allowed per 1931-4 AZC	Test Report
Olsen, B111B, Beam Type Smoke †	40*	XB1209/R2, April 1994,
Olsen, B21B, Beam Type Smoke †	1	AS 1603.4 - 1987 Amdt 1 & 2
Olsen, C23B, Smoke Ionisation	40*	XB1209/R2, April 1994,
Olsen, C23BEx, Smoke Ionisation (intrinsically safe)	40*	AS 1603.4 - 1987 Amdt 1 & 2
Olsen, C24B, Smoke Ionisation with Olsen Z54B/Z56 base	40*	XB1209/R2, April 1994,
Olsen, C24B, Smoke Ionisation with Olsen Z500 base & optionally E500 Mk2 remote indicator	40*	AS 1603.4 - 1987 Amdt 1 & 2
Olsen, C29B, Smoke Ionisation with Olsen Z54B/Z56 base	40*	XF1457/R2, November 1998
Olsen, C29B, Smoke Ionisation with Olsen Z500 base & optionally E500 Mk2 remote indicator	40*	Compatibility Assessment
Olsen, C29BEx, Smoke Ionisation with Olsen Z94C base and intrinsically safe barrier (KHD0-ICS/EX251) with ZAU 401 zone adaptor	40*	XB1209/R2, April 1994,
Olsen, C29BEx, Smoke Ionisation with Olsen Z94C base and intrinsically safe barrier (KHD0-ICS/EX151) with ZAU 401 zone adaptor	40*	AS 1603.4 - 1987 Amdt 1 & 2
Olsen, C29BEx, Smoke Ionisation with Olsen Z94C base and intrinsically safe barrier (KHD3-ICR/EX 130-200)	40*	"
Olsen, FW81B, Heat Type E	1000m	"
Olsen, P136, Duct Sampling Unit	8	XB1209/R2, April 1994,
Olsen, P24B, Smoke Photoelectric with Olsen Z54B/Z56 base	40*	AS 1603.4 - 1987 Amdt 1 & 2
Olsen, P24B, Smoke Photoelectric with Olsen Z500 base & optionally E500 Mk2 remote indicator	40*	XF1457/R2, November 1998
Olsen, P29B, Smoke Photoelectric with Olsen Z54B/Z56 base	36	Compatibility Assessment
Olsen, P29B, Smoke Photoelectric with Olsen Z500 base & optionally E500 Mk2 remote indicator	40*	XB1209/R2, April 1994,
Olsen, P61B (Rev J) Smoke Photoelectric	40*	AS 1603.4 - 1987 Amdt 1 & 2
Olsen, P76B, Smoke Photoelectric Non-latching	10	XF1457/R2, November 1998
Olsen, R23B, (LED version only) Flame	36	Compatibility Assessment
Olsen, R24B, Flame	8	XB1209/R2, April 1994,
Olsen, R24BEx, Flame (intrinsically safe)	8	AS 1603.4 - 1987 Amdt 1 & 2
Olsen, T54B, Heat Type E	40*	"
Olsen, T56B Mk V, Heat Type A, B, C & D with Olsen Z54B/Z56 base	40*	"
Olsen, T56B Mk V, Heat Type A, B, C & D with Olsen Z500 base & optionally E500 Mk2 remote indicator	40*	XB1209/R2, April 1994,
Olsen, V41B/V42B Flame †	40*	AS 1603.4 - 1987 Amdt 1 & 2
Olsen, V44B Flame †	40*	XF1457/R2, November 1998
		Compatibility Assessment
		"
		"

* Maximum number of detectors allowed by code

† Detector must be powered from 24 Vdc supply that must be provided with transient protection, a fuse and a re-setting facility

Supplementary information (continued)

Activating Devices (continued):

Activating Device	Maximum Number of Devices Allowed per 1931-4 AZC	Test Report
Simplex, 4098-9618EA, Heat Type A	40*	XF1757/R2, May 2001
Simplex, 4098-9619EA, Heat Type B	40*	Compatibility Assessment
Simplex, 4098-9621EA, Heat Type D	40*	"
Simplex, 4098-9601EA, Smoke Photoelectric	40*	"
Simplex, 4098-9603EA, Smoke Ionisation	40*	"
<i>The above detectors with Simplex 4098-9788EA base</i>		
Thorn, S111, Flame	40*	XB1209/R2, April 1994,
Thorn, S121, Flame	40*	AS 1603.4 - 1987 Amdt 1 & 2
Thorn, S131, Flame	40*	"
Thorn, S231f+, infra-red flame and Isolating Barrier <i>KFD2-CR-EX1.30 200 repeater (Note 1)</i>	11	XF1875/R1, June 2002, AS 4428.1-1998
Thorn, S231i+, infra-red flame and Isolating Barrier <i>KFD2-CR-EX1.30 200 repeater (Note 1)</i>	11	Compatibility Assessment
Thorn, S261f+, infra-red flame	40*	XF1780/R1, June 2001
Tyco, SU0600, Manual Call Point	40*	XF1875/R1, June 2002, AS 4428.1-1998
Tyco, T614A, Heat Type A	40*	XF1910/R1, July 2002,
Tyco, T614B, Heat Type B	40*	AS 4428.1-1998
Tyco, T614C, Heat Type C	40*	Compatibility Assessment
Tyco, T614D, Heat Type D	40*	"
<i>The above heat detectors with Minerva MUB/M614 Universal non-indicating base</i>		

Note 1: Refer instruction manual for details.

Activating Device	Max. number of devices allowed per AZF (Mode 1) with KFD0-CS-EX1.51 or KFD0-CS-EX2.51P ISB	Test report
Olsen, C29BEx Smoke Ionisation with Olsen Z52, Z55B, Z56B, Z56N and Z500 non-indicating base	40*	XF1875/R1, June 2002, AS 4428.1-1998 Compatibility Assessment
Short Circuit Device	40*	XF1930/R1, September 2002, AS 4428.1 - 1998

* Maximum number of detectors allowed by code