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Certificate of Conformity

Registration date Valid until Certificate num. Version Number Issue date afp - 1801 17-Jan-2006 30-Apr-2024 25 20-Apr-2023

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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.

Australian Standard AS 4428.1-1998, 'Fire detection, warning, control and intercom systems -1. 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.

Compatibility of this equipment with new or existing actuating devices should be verified prior i. 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

Kai Loh Executive Officer – ActivFire Scheme



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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.
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- Any changes, errors or omissions, must be submitted in writing and if necessary or requested, substantiated with relevant evidence.
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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	Α	IFS724
Loop/Network Interface module	IFS725 (REM/LIM)	А	
	NI2012-01	Н	NI2012-01-1A
PSI (Power supply Interface)	NI2017-01	С	
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	Н	03423
LCD	2800 LCD	-	P141-10A
Annunciators			
32 Red LED	ACM-32A		
16 x Pushbutton inputs			
16 x Red LED	ACM-16AT		
16 x Yellow LED			
8 x 3 Position switches		450.30	00/2002 Manual
8 x Red LED 8 x Yellow LED			00/2802 Manual
	SCS-8	DOC-01	L-010
8 x Green LED			
1 x Fire Trip (A/C) Reset switch			
1 x Fire Trip (A/C) Activated/Latched LED			
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-20	12 or NI-2017 control boar	d with
Models	PS243	PBC-70-27	PBC-150-27	SP-320-27
Туре	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)	-	-	-

afp - 1801 17-Jan-2006 Number 25 Issue date 20-Apr-2023 30-Apr-2024 Schedule of compatible or connectable devices/modules Single Line Circuit (SLC) modules: Loop protocol: Schedule of compatible or connectable devices/modules Single Line Circuit (SLC) modules: Loop protocol: Flashscan Maximum addressable points on analogue loop Maximum addressable points on analogue loop Reference FZM-1 input conventional zone interface module 159 - Reference FRM-1 output relay module 159 - At 28.1 - 1998 FRM-10 unput monitor module 159 - At 28.1 - 1998 FCM-1 control output module 159 - At 28.1 - 1998 FPG-Ksi circuit supervised control module 26 - XF2010/R2, Jun 2004 XP6-C six circuit supervised control module 15 - Notifier, Model ABS32/W integrated detector base sounder 64 n/a XF2493R1, October 2008 Single Line Circuit (SLC) modules: Experimenter Experimenter Experimenter At 2493R1, October 2008 Single Line Circuit (SLC) modules: Experimenter Experimenter At 2493R1, October 2008 Single Line Circuit (SLC) modules: Experimenter Experimenter At 2493R1, October 2008 Single Line Circuit (SLC) modules: Experimenter At 2493R1, October 2008	afp - 1801	Registration date	Versio		Valid until	
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Device/module typeaddressable points on analogue loopaddressable points on analogue lineReferenceFZM-1 input conventional zone interface module159-FMM-1 input monitor module159-FRM-1 output relay module159-FCM-1 control output module159-FCM-1 control output module159-FCM-1 control output module159-FCM-1 control output module26-XP6-C six circuit supervised control module26-XP6-R six relay control module26-XP6-R six relay control module159-XP10-M ten input monitor module15-Notifier, Model ABS32/W integrated detector base sounder-Notifier, Model AIBS32/W (ABS32/W-I) integrated detector base sounder (with isolator)-Single Line Circuit (SLC) modules: Loop protocoi:FalshscanDevice/module typeE-Notifier, Model FSM500K, manual call point-AVB32/R Intelligent wall mount sounder-AVS32/R Intelligent wall mount sounder, red body and lens-	ngle Line Circuit (SLC) modules:	connectable devices	/modules			
FMM-1 input monitor module159-FRM-1 output relay module159-FRM-101 input mini monitor module159-FMM-101 input mini monitor module159-FCM-1 control output module159-XP6-C six circuit supervised control module26-XP6-R six relay control module26-XP6-R six relay control module15-XP10-M ten input monitor module15-XP10-M ten input monitor module15-Notifier, Model ABS32/W integrated detector base sounder-Notifier, Model AIBS32/W (ABS32/W-I) integrated detector base sounder (with isolator)-Single Line Circuit (SLC) modules: soop protocol:-Perice/module typeE-Notifier, Model FSM500K, manual call point-AWB/R Intelligent wall mounted beacon, red lens-AWS832/R/ Intelligent wall mount sounder-AWS832/R/ Intelligent wall mount sounder-AWS832/R/R Intelligent wall mount sounder-	Device/module type		addressable points	addressable points	Reference	
FRM-1 output relay module159.XF1769/R2, August 2002 AS 4428.1 - 1998FMM-101 input mini monitor module159FCM-1 control output module159FCM-1 control output module159XP6-C six circuit supervised control module26XP6-MA six zone interface module26XP6-MA six zone interface module26XP6-MA six zone interface module26XP6-MA six zone interface module15XP6-MA six zone interface module15XP6-MA six zone interface module15XP6-MA six zone interface module15XP6-MA six relay control module15XP10-M ten input monitor module15Notifier, Model AIBS32/W integrated detector base sounderNotifier, Model AIBS32/W (ABS32/W-I) integrated detector base sounder (with isolator)Single Line Circuit (SLC) modules: Loop protocol:Loop protocol:FlashscanDevice/module typeReference.Notifier, Model FSM500K, manual call point.AWSB32/R Intelligent wall mount sounder.AWSB32/R/R Intelligent wall mount sounder, red body and lens.	FZM-1 input conventional zor	ne interface module	159	-		
FRMI-10 tiltpit relay module 159 - AS 4428.1 - 1998 FMM-101 input mini monitor module 159 - AS 4428.1 - 1998 FCM-1 control output module 159 - AS 4428.1 - 1998 XP6-C six circuit supervised control module 26 - XF2010/R2, Jun 2004 XP6-R six relay control module 26 - AS 4428.1 - 1998 XP10-M ten input monitor module 26 - AS 4428.1 - 1998 XP10-M ten input monitor module 15 - AS 4428.1 - 1998 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 XF2493R1, October 2008 Single Line Circuit (SLC) modules: .coop protocol: Flashscan Keference XF2493R1, October 2008 Notifier, Model FSM500K, manual call point AWB/R Intelligent wall mounted beacon, red lens AWS32/R Intelligent wall mount sounder AWS32/R Intelligent wall mount sounder, red body and lens AWS428.1 - 1998	FMM-1 input monitor modul	e	159	-	VE1760/P2 August 2002	
FMM-101 input mini monitor module 159 - FCM-1 control output module 159 - XP6-C six circuit supervised control module 26 - XP6-MA six zone interface module 26 - XP6-R six relay control module 26 - 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 Notifier, Model AIBS32/W (ABS32/W-I) integrated detector base sounder (with isolator) - - Single Line Circuit (SLC) modules: - - - oop protocol: Flashscan - - Device/module type Reference Reference Notifier, Model FSM500K, manual call point - - AWB/R Intelligent wall mount de bacon, red lens - - AWS32/R Intelligent wall mount sounder - - AWS832/R/R Intelligent wall mount sounder, red body and lens - -	FRM-1 output relay module		159 - 159 - 159 - 159 -	_		
XP6-C six circuit supervised control module26-XP6-MA six zone interface module26-XP6-MA six zone interface module26-XP6-R six relay control module26-XP10-M ten input monitor module15-Notifier, Model ABS32/W integrated detector base sounder-Notifier, Model AIBS32/W (ABS32/W-I) integrated detector base sounder (with isolator)64n/aMotifier, Model AIBS32/W (ABS32/W-I) integrated detector base sounder (with isolator)ingle Line Circuit (SLC) modules: oop protocol:oop protocol:FlashscanDevice/module typeReferenceAWB/R Intelligent wall mounted beacon, red lensAWS32/R Intelligent wall mount sounder AWS32/R Intelligent wall mount sounder, red body and lens	FMM-101 input mini monitor	module	159	-	101120.1 1000	
XP6-MA six zone interface module26.XF2010/R2, Jun 2004XP6-R six relay control module26-AS 4428.1 - 1998XP10-M ten input monitor module15Notifier, Model ABS32/W integrated detector base sounder64n/aXF2493R1, October 2008Notifier, Model AIBS32/W (ABS32/W-I) integrated detector base sounder (with isolator)64n/aXF2493R1, October 2008Single Line Circuit (SLC) modules: .oop protocol:FlashscanReferenceReferenceDevice/module typeReferenceNotifier, Model FSM500K, manual call point.AWSB32/R Intelligent wall mount sounder AWSB32/R Intelligent wall mount sounder, red body and lens.	FCM-1 control output module	5	159	-		
XP6-R six relay control module 26 - AS 4428.1 - 1998 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) 64 n/a XF2493R1, October 2008 Single Line Circuit (SLC) modules: soop protocol: Flashscan Reference Reference Device/module type Reference Reference AWB/R Intelligent wall mounted beacon, red lens AWS32/R Intelligent wall mount sounder AWS32/R Intelligent wall mount sounder, red body and lens MSB32/R/R Intelligent wall mount sounder, red body and lens	•		26	-	_	
XP10-M ten input monitor module15-Notifier, Model ABS32/W integrated detector base sounder64n/aXF2493R1, October 2008Notifier, Model AIBS32/W (ABS32/W-I) integrated detector base sounder (with isolator)64n/aXF2493R1, October 2008Single Line Circuit (SLC) modules: oop protocol:FlashscanReferenceNotifier, Model FSM500K, manual call pointDevice/module typeReferenceNotifier, Model FSM500K, manual call pointAWSB2/R Intelligent wall mounted beacon, red lensAWSB32/R Intelligent wall mount sounder AWSB32/R Intelligent wall mount sounder, red body and lens				-	XF2010/R2, Jun 2004	
Notifier, Model ABS32/W integrated detector base 64 n/a XF2493R1, October 2008 Notifier, Model AIBS32/W (ABS32/W-I) integrated 64 n/a XF2493R1, October 2008 Single Line Circuit (SLC) modules: oop protocol: Flashscan Reference Device/module type Reference Reference Notifier, Model FSM500K, manual call point 4 AWB/R Intelligent wall mounted beacon, red lens AWS32/R Intelligent wall mount sounder AWS32/R Intelligent wall mount sounder, red body and lens Here			26	-	AS 4428.1 - 1998	
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Notifier, Model AIBS32/W (ABS32/W-I) integrated detector base sounder (with isolator) 64 n/a XF2493R1, October 2008 Single Line Circuit (SLC) modules: oop protocol: Flashscan Reference Device/module type Reference Notifier, Model FSM500K, manual call point AWB/R Intelligent wall mounted beacon, red lens AWS32/R Intelligent wall mount sounder AWS32/R Intelligent wall mount sounder, red body and lens		egrated detector base				
Notifier, Model AIBS32/W (ABS32/W-I) integrated detector base sounder (with isolator) ingle Line Circuit (SLC) modules: oop protocol: Flashscan Device/module type Reference Notifier, Model FSM500K, manual call point 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			64	n/a	XF2493R1, October 2008	08
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AWB/R Intelligent wall mounted beacon, red lensAWS32/R Intelligent wall mount sounderAWSB32/R/R Intelligent wall mount sounder, red body and lens					Reference	
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AWSB32/R/R Intelligent wall mount sounder, red body and lens	-					
	-		ly and long			
PDM-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)						
			Series)		These devices/modules have been designated by the Producer as	been
NEX-RS-IV Addressable sounder base (NEX Series) designated by the Producer as		· · ·	Jenesy			
NEXL PS IV Addrossable counder bace (NEX Series)						l/listed
NFX-MCP-GLASS Intelligent Manual Call Point (SS India)		· · ·	al		equipment	
NFX-WF-RR Addressable strobe (NFX Series)			u)			
NFX-WF-RR Addressable sounder/strobe (NFX Series)		• •	5)			
NFX-WS-R Addressable sounder (NFX Series)	NFX-WF-RR Addressable stro		1			
NFX-WS-W Addressable sounder (NFX Series)	NFX-WF-RR Addressable stro NFX-WSF-RR Addressable sou	ler (NFX Series)				
	NFX-WF-RR Addressable stro NFX-WSF-RR Addressable sou NFX-WS-R Addressable sound					
	NFX-WF-RR Addressable stro NFX-WSF-RR Addressable sou NFX-WS-R Addressable sound NFX-WS-W Addressable sound	der (NFX Series)				
WCP-5A Outdoor manual call point	NFX-WF-RR Addressable stro NFX-WSF-RR Addressable sou NFX-WS-R Addressable sound NFX-WS-W Addressable soun WCP-5A Outdoor manual call	der (NFX Series)				
WCP-5A Outdoor manual call point XP5-M 5 way input module	NFX-WF-RR Addressable stro NFX-WSF-RR Addressable sou NFX-WS-R Addressable sound NFX-WS-W Addressable soun WCP-5A Outdoor manual call XP5-M 5 way input module	der (NFX Series)				
WCP-5A Outdoor manual call point	NFX-WF-RR Addressable stro NFX-WSF-RR Addressable sou NFX-WS-R Addressable sound NFX-WS-W Addressable soun WCP-5A Outdoor manual call XP5-M 5 way input module	der (NFX Series)				

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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	-	
M500M, input monitor module	159	-	XF1769/R2, August 2002
M500R, output relay module	159	-	AS 4428.1 – 1998
M501M, input mini monitor module	159	-	XL1960.04
M500S, control output module	159	-	_
SC-6, six circuit supervised control module	26	-	
CZ-6, six zone interface module	26	-	XF2010/R2, Jun 2004
CR-6, six relay control module	26	-	AS 4428.1 – 1998 XL1960.04
IM-10, ten input monitor module	15	-	

Single Line Circuit (SLC) actuating devices:

Loop protocol: Flashscan

	Maximum addressable points	Maximum addressable points on	
Actuating or integrated device	on analogue loop	analogue line	Reference
Notifier, FSI-751, smoke ionization	159	40*	
Notifier, FSP-751, smoke photoelectric	159	40*	
Notifier, FAPT-751 Acclimate, Multi-sensor	159	40*	XF1769/R2, August 2002
Notifier, FST-751, heat type B	159	40*	AS 4428.1 - 1998
Notifier, FST-751R, heat type A	159	40*	_
The above detectors with the System Sensor B501 base.			_
Notifier, FSI-851AUS, smoke ionization	159	40*	
Notifier, FSP-851AUS, smoke photoelectric	159	40*	
Notifier, FAPT-851AUS, Acclimate, multi-sensor	159	40*	XF1769/R2, August 2002
Notifier, FST-851AUS, heat type B	159	40*	AS 4428.1 - 1998
Notifier, FST-851RAUS, heat type A	159	40*	and xla-1335, 22-Dec-2006
Notifier, FSL-751 VIEW, smoke photoelectric	159	40*	_
The above detectors with the System Sensor B501 base		1	
Notifier, Model ABS32/W integrated detector base sounder	64	n/a	VE2402B1 October 2008
Notifier, Model AIBS32/W (ABS32/W-I) integrated detector base sounder (with isolator)	64	n/a	- XF2493R1, October 2008
The above detector base sounders with the Notifier LPBW (n	nounting/wiring base) and	one of the following	actuating devices
1. Notifier, FSI-851AUS, smoke ionisation	4. Notifier, FST-851A	, ,,	
2. Notifier, FSP-851AUS, smoke photoelectric	5. Notifier, FST-851R	, ,,	
3. Notifier, FAPT-851AUS Acclimate, multi-sensor		/IEW, smoke photoele	
Notifier, SDX-751CTEM	99	40*	XF2329/R1, July 2007
Notifier, FSC-851AUS	159	40*	XF2432/R1, November 2009
The above detectors with the Notifier B501 base			

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

Notifier, FSB-200

Notifier, FSB-200S

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*	
Hochiki, DCA-B-90R Mk I, heat type C	40*	
Hochiki, DCC-A, heat type A	40*	VE4022 (P4 July 2002
Hochiki, DCC-C, heat type C	40*	XF1822/R1, July 2002 AS 4428.0-1997, Appendix E
The above detectors with Hochiki YBF-RL/4AH4M Base		A3 4428.0-1997, Appendix E
Hochiki, DCD-A, heat type A	40*	
Hochiki, DCD-C, heat type C	40*	

159

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40*

40*

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Actuating device			aximum number of devices owed per AZM-8, PAZM-8 & internal AZFs EOL 4K7 - 24 V	Reference	
The above detectors with Hoc	hiki YBN-R/4A or YBO-R/4A Bases:				
Hochiki, DFE-60B, heat typ	De B		40*	-	
Hochiki, DFE-90D, heat typ			40*	-	
The above detectors with Hoc				-	
Hochiki, DFG-60BLKJ, heat	type B (Cool Room)		40*		
Hochiki, DFJ-60B, heat typ			40*	_	
Hochiki, DFJ-90D, heat typ			40*	-	
	hiki YBN-R/4A or YBO-R/4A Bases			-	
Hochiki, SIH-AM, smoke ic YBF-RL/4AH4M Base			35	-	
Hochiki, SIJ-AS, smoke ioni YBO-R/4A Bases	isation with Hochiki YBN-R/4A or		35	-	
Hochiki, SLK-A, smoke pho YBF-RL/4AH4M Base	toelectric with Hochiki		35	-	
Hochiki, SLR-AS, smoke ior YBO-R/4A Base	nisation with Hochiki YBN-R/4A o	nr 🛛	40*	_	
Loop protocol: Flashscar					
Actuating device	:			Reference	
B524IEFT(W) Short circuit				Reference	
B524IEFT(W) Short circuit FDX-851AUS Intelligent the	ermal sensor			Reference	
B524IEFT(W) Short circuit FDX-851AUS Intelligent the FDX-851RAUS Intelligent t	ermal sensor hermal sensor			Reference	
B524IEFT(W) Short circuit FDX-851AUS Intelligent the FDX-851RAUS Intelligent t FSD-751PL Innovair Low-F	ermal sensor hermal sensor low DSU			Reference	
B524IEFT(W) Short circuit FDX-851AUS Intelligent th FDX-851RAUS Intelligent t FSD-751PL Innovair Low-FI FSL-751 View™ high sensit	ermal sensor hermal sensor low DSU :ivity laser sensor			Reference	
B524IEFT(W) Short circuit FDX-851AUS Intelligent th FDX-851RAUS Intelligent th FSD-751PL Innovair Low-FI FSL-751 View™ high sensit FST-851R-WP Intelligent se	ermal sensor hermal sensor low DSU :ivity laser sensor ealed thermal sensor			Reference	
B524IEFT(W) Short circuit FDX-851AUS Intelligent the FDX-851RAUS Intelligent the FSD-751PL Innovair Low-FI FSL-751 View™ high sensit FST-851R-WP Intelligent set FST-851-WP Intelligent set	ermal sensor hermal sensor low DSU civity laser sensor ealed thermal sensor aled thermal sensor	ector		Reference	
B524IEFT(W) Short circuit FDX-851AUS Intelligent the FDX-851RAUS Intelligent the FSD-751PL Innovair Low-FI FSL-751 View™ high sensit FST-851R-WP Intelligent set FST-851-WP Intelligent set IDX-751 Intrinsically safe a	ermal sensor hermal sensor low DSU civity laser sensor ealed thermal sensor aled thermal sensor ddressable photo-electric dete	ector		Reference	
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