



Leaders in Life. Safety. Technology

TRADE PRODUCT LIST

REVISION A

NEW ZEALAND Edition

Subject to change without notice

CONVENTIONAL FIRE ALARM CONTROL PANELS	3	INSTALLATION TOOLS	26
CFP-16 SERIES	3	NOTIFICATION APPLIANCES	27
CFP-16 SERIES FIRE ALARM CONTROL PANEL	3	HAZARDOUS AREA NOTIFICATION APPLIANCES	28
CFP-16 PANEL ACCESSORIES	4	FIRE BELLS	29
ADDRESSABLE FIRE ALARM CONTROL PANELS	5	AGENT RELEASE EQUIPMENT	30
ONYX AFP-3030 ADDRESSABLE FIRE ALARM CONTROL PANEL	5	AGENT RELEASE MODULE	30
ONYX AFP-3030 LOOP (SLC) MODULES	5	AGENT RELEASE LOCAL CONTROL STATION (LCS)	30
NOTI-FIRE-NET NCA-2- NETWORK CONTROL ANNUNCIATOR	7	ILLUMINATED WARNING SIGNS	31
AFP-3030 ANNUNCIATORS	7	ANCILLARIES	32
NOTI-FIRE NET NETWORKING MODULES	9	CONVENTIONAL MANUAL CALL POINTS	32
ONYX AFP-3030 ACCESSORIES	9	HAZARDOUS AREA MANUAL CALL POINTS	32
INTEGRATION	10	ADDRESSABLE MANUAL CALL POINTS	32
NOTIFIER ONYXWORKS™ WORKSTATION	10	MAGNETIC DOOR HOLDERS	32
ONYX FIRSTVISION™	10	FLAME DETECTION	33
INTEGRATION - NOTI-FIRE-NET GATEWAYS	11	FLAME DETECTORS	33
CONVENTIONAL DETECTORS	12	GAS DETECTION	35
ADDRESSABLE DETECTORS	16	XCD GAS DETECTORS	35
ADDRESSABLE CLIP PROTOCOL DETECTORS	16	LINEAR HEAT DETECTION	36
SWIFT	16	FIBRE OPTIC LINEAR HEAT DETECTION	36
FLASHSCAN PROTOCOL DETECTORS	16	GENERAL PURPOSE LINEAR HEAT DETECTION	36
DETECTOR ACCESSORIES	18	HARSH AREA LINEAR HEAT DETECTION	37
REMOTE INDICATORS	19	ASPIRATED SMOKE DETECTION	38
ADDRESSABLE FIELD I/O MODULES	19	VESDA DETECTORS	38
ADDRESSABLE FIELD INPUT & OUTPUT MULTI-MODULES	21	VESDA ACCESSORIES	40
ADDRESSABLE LOOP POWERED AV	22	FAAST ADDRESSABLE ASPIRATED SMOKE DETECTORS	41
EMERGENCY WARNING SYSTEMS	23	ASPIRATED DETECTOR PIPE & FITTINGS	41
I-2000 - EMERGENCY WARNING	23	OSID OPEN AREA DETECTION	42
FIRE FIGHTER TELEPHONE SYSTEM	23	POWER SUPPLIES & BATTERIES	43
DIGITAL VOICE COMMAND	23	NPS SERIES POWER SUPPLY	43
DA SERIES BUILDING OCCUPANT WARNING SYSTEM	24	BATTERIES	43
EMERGENCY WARNING ANCILLARIES	25		
CEILING SPEAKERS	25		
HORN SPEAKERS	25		
HONEYWELL AV SPECIAL APPLICATION SPEAKERS	26		

Table Of Contents

DETECTOR TEST & REMOVAL	44	INFORMATION	55
SOLO TEST KITS	44	IECEX HAZARDOUS AREA CLASSIFICATION	55
SOLO AEROSOLS	44	INGRESS PROTECTION (IP)	55
OTHER DETECTOR TEST & REMOVAL EQUIPMENT	45	NEMA ENCLOSURE TYPES TO IEC CLASSIFICATION	56
ENCLOSURES & MOUNTING CHASSIS	46	CABINET PAINT CODES	56
MODULE ENCLOSURES	46	FLAME DETECTOR SELECTION GUIDE	57
CABINET SURROUNDS	46	FLAME DETECTOR APPLICATION GUIDE	57
MOUNTING CHASSIS & BRACKETS	47	GAS DETECTOR APPLICATION GUIDE	58
INSTALLATION CABLE	48	TERMS & CONDITIONS OF SALE	59
I.S BARRIERS & SURGE SUPPRESSION	49	INDEX	62
INTRINSICALLY SAFE BARRIERS & ISOLATORS	49		
SURGE SUPPRESSION MODULES	49		
SPARE PARTS	50		
GENERIC	50		
POWER SUPPLIES	50		
NFS 2-8 SERIES FACP	50		
IFS-2600 SERIES FACP	50		
CFP-16 SERIES FACP	50		
PRINTER EQUIPMENT	50		
AM-1010/AFP-2020 SERIES	50		
AFF-3030 SERIES PANEL	51		
AFF-2800 SERIES FACP	51		
SOLO TEST EQUIPMENT	52		
I-2000 EWIS	52		
VESDA	53		
OSID	54		



CFP - 16 SERIES FIRE ALARM CONTROL PANEL



With usability as a key focus for development and utilizing industry leading manufacturing and testing practices; the CFP-16 will provide an easy to use and powerful detection and control system for all conventional detection applications.

The standard panel is equipped with 8 zones but may be extended to 16 Zones by the addition of an 8 Zone expansion module.

The CFP-16 is extremely flexible and can be programmed to meet the demands of a wide variety of building types.

- Simple to install
- Expandable to 16 x conventional zones
- 24 character programmable zone descriptor
- Compatible with System Sensor devices
- Space for up to 33AH batteries
- IP30 rated for CAB650 / CAB 900

Cabinet Dimensions:

- CAB650 - 650mm H x 450mm W x 190mm D
- CAB900 - 900mm H x 450mm W x 190mm D

FPA Equipment Listing #: NI/102

Part #	Description
CFP-16/650-8Z-PS5NZ	8 zones fitted with NPS-5 in CAB650
CFP-16/900-8Z-PS5NZ	8 zones fitted with NPS-5 in CAB900
CFP-16/650-8Z-PS11NZ	8 zones fitted with NPS-11 in CAB650
CFP-16/900-8Z-PS11NZ	8 zones fitted with NPS-11 in CAB900

Zone Index Kits

Part #	Description
FSKIT650NZ	NZ Acrylic (FS) kit, includes Annunciator Plates CAB650
FSKIT900NZ	NZ Acrylic (FS) kit, includes Annunciator Plates CAB900
RSMSK650	CAB650 Rear Service Mimic Surround Kit
RSMSK900	CAB650 Rear Service Mimic Surround Kit

Accessories

Part #	Description
ZEM-8	8 Zone expansion module to suit CFP-16
ACM-8RA	Relay module to provide up to 8 C/NO/NC relay contacts
ZLKT16	Annunciator name plate for zone & custom labelling
ACM-ZM8	Remote LED mimic annunciator for up to 8 zones with status LED's

NOTE: Contact your Notifier systems consultant for pricing of alternate configurations

CFP - 16 SERIES FIRE AGENT RELEASE PANEL



Incorporating all the features of the CFP-16 FACP and the Notifier agent release module the agent release control panels provide 8 zones of detection with 1 zone of agent release.

- CAB650 and CAB900 versions available
- Versions available with LCS fitted to outer door.
- Space for up to 33AH batteries
- IP30 rated for CAB650 / CAB 900

Cabinet Dimensions:

- CAB650 - 650mm H x 450mm W x 190mm D
- CAB900 - 900mm H x 450mm W x 190mm D

FPA Equipment Listing #: NI/102

Part #	Description
CFP-16/650F-LCS1	8 zones fitted with NPS-5, 1 x Agent Release zone in CAB650 with LCS fitted to outer door
CFP-16/900F-LCS2	8 zones fitted with NPS-5, 1 x Agent Release zone in CAB900 with LCS fitted to outer door
CFP-16/650F-LCS3	8 zones fitted with NPS-5, 1 x Agent Release zone in CAB650 with LCS fitted to outer door and DA30 OWS
CFP-16/900F-LCS4	8 zones fitted with NPS-5, 1 x Agent Release zone in CAB900 with LCS fitted to outer door and DA30 OWS

Zone Index Kits

Part #	Description
FSKIT650NZ	NZ Acrylic (FS) kit, include Annunciator Plates CAB650
FSKIT900NZ	NZ Acrylic (FS) kit, include Annunciator Plates CAB900
RSMSK650	CAB650 Rear Service Mimic Surround Kit
RSMSK900	CAB900 Rear Service Mimic Surround Kit

CFP-16 PANEL ACCESSORIES



ACM-8RA Relay Expansion Module

Provides 8 programmable relay contacts.

- Fits into standard CHS-xL slot.
- 1A @ 24VDC contacts
- Expandable up to 32 modules
- Compatible with CFP-16

FPA Equipment Listing#: NI/665

Part #	Description
ACM-8RA	Relay module to provide up to 8 C/NO/NC relay contacts



CFP-16 LED Mimic Modules

Provides 8/16 zone remote alarm indication

- Compatible with standard annunciator mounting enclosures
- Red high-intensity LED's

FPA Equipment Listing#:

Part #	Description
ACM-ZM8	Remote LED mimic annunciator for up to 8 zones with status LED's
AEM-ZM8	Remote LED mimic expansion annunciator for an additional 8 zones

See Page 46 for Annunciator mounting enclosures



CFP-16 SGD and interface

The SGD (signal generating device) provides the interface to the NZ alarm monitoring services

This mounts in either in a slot on the CHS-3L or can be mounted on a standard annunciator slot using the SGD Inner Door Mounting Kit.

FPA Equipment Listing #: NI/501

Part #	Description
SGDIF16	SGD interface to suit CFP- 16NZ
SFDMK16	SGD Inner Door Mounting Kit



Strobe/Sounder Interface

- 5A reversible output for use with dual strobes
- Comes with subplate to fit into standard CHS-xL slot

FPA Equipment Listing#: NI/667

Part #	Description
IFS-993F	Monitored Strobe/Sounder Interface



Slim Remote Zone Index Mimic

The slim LED mimic panels provide a convenient means of remotely placing an LED index away from the main fire alarm control panel.

The mimics connect to the panel's serial ACM- 485 communications line via a four core cable (two data and two power connections).

The ACM-ZM Zone mimic interface module is fitted in the mimic cabinet and interfaces to the Silence Alarms and Evacuation Bulgin keys.

Part #	Description
AEM-ZM8	Remote LED mimic expansion annunciator for an additional 8 zones
ZMS/425RF-8ZI	MIM425 with ACM-ZM 8 Zones, ONYX Black (Max 24 zones or 48 zones in 2 rows)
ZMS/900RF-8ZI	MIM900 with ACM-ZM 8 Zones, ONYX Black (Max 72 zones)

Cabinet Dimensions:

- ZMS/425 – 425mm H x 450mm W x 51mm D
- ZMS/900 – 900mm H x 450mm W x 51mm D

ONYX AFP-3030 ADDRESSABLE FIRE ALARM CONTROL PANEL



Onyx AFP-3030

The AFP-3030 is an intelligent Fire Alarm Control Panel (FACP) with a flexible and scalable architecture which makes it suitable for virtually any application including large scale networked facilities. Fire emergency detection and evacuation are extremely critical to life safety, and the AFP-3030 is ideally suited for these applications

- One to ten addressable loops
- Up to 159 detectors and 159 modules per SLC, 318 devices per loop / 3,180 per FACP (or network node)
- Networkable up to 200 nodes
- Field programmable with QWERTY keypad
- Support for AS1668.1 compliant smoke control with SCS Series smoke control system
- VeriFire Tools programming, diagnostic and reporting tools

Cabinet Dimensions:

- CAB650 – 650mm H x 450mm W x 190mm D
- CAB900 – 900mm H x 450mm W x 190mm D

FPA Equipment Listing #: HW/104

Part #	Description
AFP-3030NZ/ D650R1L5	AFP-3030 1-loop fitted with NPS-5 in CAB650 with Display and Rear Service
AFP-3030NZ/ D650F1L5	AFP-3030 1-loop fitted with NPS-5 in CAB650 with Display and Front Service
AFP-3030NZ/D900R1L5	AFP-3030 1-loop fitted with NPS-5 in CAB900 with Display and Rear Service
AFP-3030NZ/ D900F1L5	AFP-3030 1-loop fitted with NPS-5 in CAB900 with Display and Front Service
AFP-3030NZ/ D18Ux1L5	AFP-3030 1-loop fitted with NPS-5 in 18U with Display, No Service
AFP-3030NZ/ D28Ux1L5	AFP-3030 1-loop fitted with NPS-5 in 28U with Display, No Service

Agent Release Panels

Part #	Description
AFP- 3030NZ/650F1L5GL	AFP-3030NZ/650F-1L-P55-GL with ARM & display
AFP- 3030NZ/900F1L5GL	AFP-3030NZ/900F-1L-P55-GL with ARM & display

Zone Index Kits

Part #	Description
FSKIT650NZ	NZ Acrylic (FS) kit, includes Annunciator Plates CAB650
FSKIT900NZ	NZ Acrylic (FS) kit, includes Annunciator Plates CAB900
RSMSK650	CAB650 Rear Service Mimic Surround Kit
RSMSK900	CAB900 Rear Service Mimic Surround Kit

Accessories

Part #	Description
ACM-ZM8	Remote LED mimic annunciator for up to 8 zones with status LED's
ACM-8RA	Relay module to provide up to 8 C/NO/NC relay contacts
ZLKT16	Annunciator name plate for zone & custom labelling

NOTE: Contact your Notifier systems consultant for pricing of alternate configurations

ONYX AFP-3030 LOOP (SLC) MODULES



AFP-3030 Loop (SLC) Modules

- Installs into standard CHS-xL chassis
- Supports CLIP and FlashScan protocols (panel dependant)
- Up to 400mA driving current

FPA Equipment Listing #: NI/671, NI/672

Part #	Description
LCM-320	Loop Control Module Used as loops 1, 3, 5, 7 or 9
LEM-320	Loop Expander Module Used as loops 2, 4, 6, 8 or 10



ACM-8RA Relay Expansion Module

Provides 8 programmable relay contacts.

- Fits into standard CHS-xL slot.
- 1A @ 24VDC contacts
- Expandable up to 32 modules
- Compatible with CFP-16

FPA Equipment Listing#: NI/665

Part #	Description
ACM-8RA	Relay module to provide up to 8 C/NO/NC relay contacts



AFP- 3030 LED Mimic Modules

Provides 8/16 zone remote alarm indication

- Compatible with standard annunciator mounting enclosures
- Red high-intensity LED's

FPA Equipment Listing#:

Part #	Description
ACM-ZM8	Remote LED mimic annunciator for up to 8 zones with status LED's
AEM-ZM8	Remote LED mimic expansion annunciator for an additional 8 zones

See Page 46 for Annunciator mounting enclosures



AFP- 3030 SGD and interface

The SGD (signal generating device) provides the interface to the NZ alarm monitoring services

This mounts in either in a slot on the CHS-3L or can be mounted on a standard annunciator slot using the SGD Inner Door Mounting Kit.

FPA Equipment Listing #: NI/501

Part #	Description
SGDIF16	SGD interface to suit AFP- 3030
SFDMK 16	SGD Inner Door Mounting Kitl



Strobe/Sounder Interface

- 5A reversible output for use with dual strobes
- Comes with subplate to fit into standard CHS-xL slot

FPA Equipment Listing#: NI/667

Part #	Description
IFS-993F	Monitored Strobe/Sounder Interface



Slim Remote Zone Index Mimic

The slim LED mimic panels provide a convenient means of remotely placing an LED index away from the main fire alarm control panel.

The mimics connect to the panel's serial ACM- 485 communications line via a four core cable (two data and two power connections).

The ACM-ZM Zone mimic interface module is fitted in the mimic cabinet and interfaces to the Silence Alarms and Evacuation Bulgin keys.

Part #	Description
AEM-ZM8	Remote LED mimic expansion annunciator for an additional 8 zones
ZMS/425RF-8ZI	MIM425 with ACM-ZM 8 Zones, ONYX Black (Max 24 zones or 48 zones in 2 rows)
ZMS/900RF-8ZI	MIM900 with ACM-ZM 8 Zones, ONYX Black (Max 72 zones)

Cabinet Dimensions:

- ZMS/425 – 425mm H x 450mm W x 51mm D
- ZMS/900 – 900mm H x 450mm W x 51mm D



AFP-3030 Programming cable

Up-load/ download cable

Part #	Description
USB3	USB lead 3m, to suit AFP-3030/ NCA-2

NOTI-FIRE-NET NCA-2 - NETWORK CONTROL ANNUNCIATOR



The NOTIFIER NCA-2 is a second-generation

Network Control Annunciator for the NOTI-FIRE-NET™ network, compatible for use with ONYX® AFP-3030 fire alarm control panels, as well as first-generation NCA Network Control Annunciators.

The NCA-2 provides system control and display capabilities for all, or for selected network nodes. When connected to one or more networked panels the NCA-2 provides network control and status/history display capabilities. It may also be configured as the Primary Display for displayless nodes on the network.

- Enhanced-format 640-character LCD display with backlighting.
- Easy to use control interface consisting of "soft" keys used to navigate screen menus, "hard" keys with fixed control functions and a full QWERTY keypad.
- Full supervision of all inputs and network integrity.
- Requires 24V DC, and a network connection
- Required as master control node for mixed AFP-3030 / AFP-2800 networks

Part #	Description
NCA-2AUPLUS	NCA-2NZ - Network Control Annunciator to suit NFN, CPU Assembly inc mounting brackets

AFP-3030 ANNUNCIATORS



LCD2-80 remote mimic display

- Provides 80 character mimic function
- Displays all alarm, fault and isolate conditions
- Compatible with standard mounting enclosures

FPA Equipment Listing #: NI/631

Part #	Description
LCD2-80	80 character LCD remote mimic panel

See Page 46 for Annunciator mounting enclosures



SCS-8 Smoke Control Station

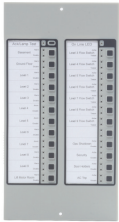
Provides 8 banks of switches and indications suitable for AS1668 fan and damper controls

- Incorporates lamp test and A/C reset buttons

FPA Equipment Listing #: NI/630

Part #	Description
SCE-8A	Smoke Control Annunciator (expander) 8 x switch groups
SCS-8A	Smoke Control Annunciator (control) 8 x switch groups
SCE-8LA	Smoke Control Module (expander) 8 x switch groups
SCS-8LA	Smoke Control Module (control) 8 x switch groups

See Page 46 for Annunciator mounting enclosures



ACM-24AT Annunciator Control Module

- Ideal for zone isolates and test solenoids
- 24 color-programmable (red/green/yellow) Active and 24 yellow Fault LEDs, 24 momentary touch-pad switches
- System Fault LED
- On- Line/Power LED
- Local piezo sounder with a silence switch for audible indication of alarm and fault conditions

Part #	Description
ACM-24AT	Control Annunciator 24 buttons, 48 LED indications
AEM-24AT	Expansion Annunciator 24 buttons, 48 LED indications

See Page 46 for Annunciator mounting enclosures



ACM-48A Annunciator Control Module

- Ideal for zone alarm indications
- 48 color-programmable (red/green/yellow) Active LEDs
- System Fault LED
- On-Line/Power LED
- Local piezo sounder with a Silence switch for audible indication of alarm and trouble conditions
- Slide-out zone text label

Part #	Description
ACM-48AT	Annunciator (Control) 48 x LED indications
AEM-48AT	Annunciator (expander) 48 x LED indications

See Page 46 for Annunciator mounting enclosures



LDM-32 Lamp & Relay Driver Module

Provides 32 x 0V sink outputs to drive LEDs. Ideally suited to graphical mimics.

- The optional relay driver module provides 32 x common, normally open contacts.
- Fits into CHS-xL chassis

Part #	Description
LDM-32	Lamp driver module (control), to suit AFP-3030
LDM-R32	Lamp driver module (expander), to suit AFP-3030

FPA Equipment Listing #: NI/634, NI635

NOTI-FIRE NET NETWORKING MODULES



Noti-Fire-Net™ Network Modules

- Supports network of up to 100 nodes
- Wire, multi and single mode fibre options
- 312.5K baud transmission rate
- Dual port for network redundancy
- Mounts on PSI or fits into CHS-xL chassis

NOTE: Not compatible with High Speed Noti-Fire-Net™

Part #	Description
NCM-W	Noti-Fire-Net control module – Wire
NCM-F	Noti-Fire-Net control module – MMOF



Noti-Fire-Net™ Repeater Modules

- Regenerates Noti-Fire-Net signals for extremely long cable/fibre runs
- Mounts on PSI or fits into CHS-xL chassis

NOTE: Use HS-NCM-x for High Speed Noti-Fire-Net™

Part #	Description
RPT-WF	Noti-Fire-Net Wire to MMOF repeater
RPT-W	Noti-Fire-Net Wire to Wire repeater



High Speed Noti-Fire-Net™ Network Modules

- Supports network of up to 200 nodes
- Wire, multi and single mode fibre options inc hybrid cards
- Up to 100mb baud transmission rate
- 1 x HS-NCM can support 2 nodes
- Can be used as a repeater
- Mounts on PSI or fits into CHS-xL chassis

Part #	Description
HS-NCM-W	High Speed Noti-Fire-Net Module – Wire
HS-NCM-MF	High Speed Noti-Fire-Net Module – MMOF
HS-NCM-SF	High Speed Noti-Fire-Net Module – SMOF
HS-NCM-WMF	High Speed Noti-Fire-Net Module – Wire / MMOF
HS-NCM-WSF	High Speed Noti-Fire-Net Module – Wire / SMOF
HS-NCM-MFSF	High Speed Noti-Fire-Net Module – MMOF / SMOF

NOTIFIER ONYXWORKS™ WORKSTATION

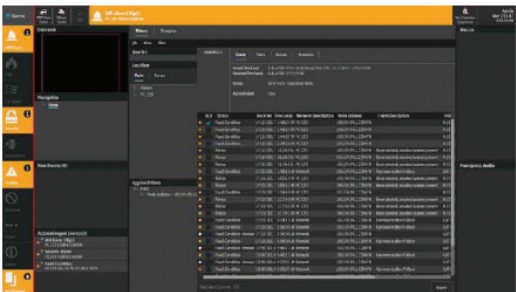


ONYXWorks™
Powerful, versatile platform for life safety management

ONYXWorks is the next generation in life safety management for centralized control and monitoring of the fire alarm system. The intuitive, graphical display allows personnel to rapidly pinpoint, investigate, and respond to alarm events with minimal operator training. Versatile enough for single-site, multi-site and even worldwide applications, the ONYXWorks graphical workstation allows end-users to manage their NOTIFIER life safety system over a proprietary network or Ethernet.

Through its intelligent gateway architecture, ONYXWorks can easily meet the needs of expanding systems. ONYXWorks is also an ideal retrofit solution. Additionally, ONYXWorks provides mass notification capabilities through IP-based voice paging and LED sign integration.

- Contemporary intuitive interface
- Simple, non proprietary configuration.
- Monitor and control up to 200 fire networks
- Mass notification paging functions
- Email alerting functions
- Operates on Microsoft Windows 10 (64 bit, Enterprise)



Workstation

Description
OnyxWorks™ Workstation & map development

Software Licensing

Part #	Description
OW-LIC-BASIC	OnyxWorks™ Workstation Basic Licence, includes email and Netlogic (requires map development)
OW-LIC-NOTIFY-IP	Workstation licence upgrade
OW4-LIC-UG	Upgrade licence OnyxWorks™ from previous to v4

PC-Based Noti-Fire-Net Gateways

Part #	Description
NFN-GW-PC-W	PC based NFN gateway, Wire
NFN-GW-PC-F	PC based NFN gateway, MMOF

ONYX FIRSTVISION™



ONYX FirstVision™ is a revolutionary way finding navigational tool for fire fighters and other emergency responders. ONYX FirstVision™ utilizes a 22" touch screen interface to graphically display critical information on the origin and spread of a fire; allowing fire fighters to quickly locate and extinguish the fire.

- Intuitive interface designed for fire fighters
- Self unlocking metal enclosure
- Displays information on multiple fire networks
- Presents hazmat, hydrant and other related information

Description
Onyx FirstVision™ 22" way finding tool including map development



INTEGRATION - NOTI-FIRE-NET GATEWAYS



BacNet Gateway

Provides a BacNet interface from a Noti-Fire-Net to BMS system etc.

- Max 15,000 Bacnet objects on 14 nodes
- Uses BacNet over IP
- Requires network control module

Part #	Description
BACNET-GW	Bacnet gateway- Interface between Noti-fire-Net and BACnet protocol



ModBus Gateway

Provides a ModBus interface from a Noti-Fire-Net to BMS system etc.

- Monitors up to 4 nodes
- Uses ModBus over IP
- Requires network control module

Part #	Description
MODBUS-GW	Modbus/TCP Gateway



Embedded Noti-Fire-Net Gateway

NFN gateway used to provide an interface to OnyxWorks™ Workstation or ONYX FirstVision™

- Monitor and control of all nodes on the Noti-Fire-Net network
- Utilizes TCP/IP
- Requires network control module

Part #	Description
NFN-GW-AU-EM-3	Embedded Noti-Fire-Net gateway



PC based NotiFireNet Gateway

NFN gateway used to provide an interface to OnyxWorks™ Workstation or ONYX FirstVision™

- Monitor and control of all nodes on the Noti-Fire-Net network
- Utilizes TCP/IP
- Requires network control module

Part #	Description
NFN-GW-PC-F	NFN-GW-PC-F -PC based NFN gateway
NFN-GW-PC-W	PC based NFN gateway



NWS-3 Web Server

Provides a web server functionality to remotely monitor the status of all devices on a Noti-Fire-Net from any computer using an internet browser.

- Utilizes TCP/IP
- Requires network control module

Part #	Description
NWS-3	Notifier Web Server



VESDAnet Gateway

The VESDA Gateway provides a communication link between the NOTI-FIRE-NET™ network and the Xtralis™ VESDAnet network.

- Utilizes TCP/IP
- Requires network control module
- Supports up to 100 detectors

Part #	Description
VESDA-HLI-GW	VesdaNet gateway

CONVENTIONAL DETECTORS



Low Profile 4-wire Smoke Alarms

- AS3786 2014 A1 approved
- Pure white colour
- Built in sounder
- N/O and N/C Alarm contacts
- Interconnect up to 24 units

Part #	Description
2012/24AUSI	2012/24AUSI Photoelectric with 9V battery back-up
2012J	Photoelectric externally powered



2151BAUS – Low Profile Photo Detector

- Low profile design
- Chamber design resists entry of dust
- Flashing LED with maintenance alert
- Dual LED's for 360° visibility
- Field cleanable with easily removed cover
- 12/24VDC operation
- 7%/m obscuration

FPA Equipment Listing#: NI/308

Part #	Description
2151BAUS	Conventional photo optical smoke detector, 7%/m obscuration, uses B401AUS Base - off white



5151 Series Thermal Detectors

- Provides rate of rise &/or fixed point operation
- Available in low temperature (63°C) and high temperature (90°C)
- Uses universal B401 plug in base
- Magnetic test feature
- Dual LED's for 360° visibility
- 12/24VDC operation

FPA Equipment Listing#: NI/221, NI/219, NI/222, NI/220

Part #	Description
5151RAUS	Conventional thermal detector, rate of rise, 63deg, system sensor, requires B401AUS - off white, Type A
5151AUS	Conventional thermal detector, fixed temp 63deg, system sensor, requires B401AUS - off white, Type B
5151HRAUS	Conventional thermal detector, rate of rise, 90deg, system sensor, requires B401AUS - off white, Type C
5151HAUS	Conventional thermal detector, fixed temp 90deg, system sensor, requires B401AUS - off white, Type D



B401AUS Universal Conventional Detector Base

- Universal for all plug-in conventional detectors
- Shorting-spring to ensure continuity when testing circuit
- Colour coded terminals
- Tamper proof lock
- Multiple hole centres

Part #	Description
B401AUS	Universal conventional detector base (for System Sensor Series 100 conventional detectors) - off white

Accessories

Part #	Description
SMK-400	Surface mount box to suit detector base B501AUS/B401AUS - off white
WB-1AP-IV	WB-1AP-IV Wet base shroud for detector base - off white



50xx Series Conventional Fixed Temperature Heat Detector

- Available in two temperature ranges (Blue: 58°C and Yellow: 77°C).
- The heat detectors come in two variants; standard version for normal usage and a weatherproof version for use outdoors or in areas where moisture or dust is present.
- The Notifier bi-metallic heat sensor is a highly reliable detector with an aesthetically pleasing, compact, low profile design.

FPA Equipment Listing #: NI/223, 224, 225, 226

Part #	Description
5057NZ	5057 Conventional fixed heat detector Blue (58°C)
5076NZ	5076 Conventional fixed heat detector Yellow (77°C)
5057WPNZ	5057WP Waterproof Conventional fixed heat detector Blue (58°C)
5076WPNZ	5076WP Waterproof Conventional fixed heat detector Yellow (77°C)



Photo-Electric Duct Detectors

- Air velocity rating from 0.5 m/s to 20.32m/s
- Versatile mounting option.
- Includes replaceable plug-in sensor head
- Backward compatible with Innovair models
- Multi-voltage (stand-alone) options available

NOTE: Requires sampling tube

FPA Equipment Listing #: NI/326, 328, 327

Part #	Description
D2-AUS	Conventional 2-wire duct detector
D4120W	4-Wire watertight duct detector (24VDC, 24VAC, 120VAC)
D4120	Photo Duct detector 4-wire (24VDC, 24VCA, 120VAC)
WB-1AP-IV	Wet Base shroud off-white, suitable for analogue and conventional detectors 200 series

Accessories

Part #	Description
DST-1.5	Sampling tube to suit duct 0.3m to 0.6m
DST-3	Sampling tube to suit duct 0.5m to 1.2m
DST-5	Sampling tube to suit duct 1.2m to 2.4m
DST-10	Sampling tube to suit duct 2.4m to 3.7m
ETX	Duct detector exhaust tube



Conventional Reflector Type Beam Detectors

- Single-ended reflective design
- 10-100m range >70m requires BEAMMK
- 4-wire 12/24VDC operation
- Ceiling or wall mount
- In-built alignment tool
- Automatic gain control
- Remote test station available
- BEAM1224S includes built-in test station

FPA Equipment Listing #: NI/311, 312

Part #	Description
BEAM1224	Conventional beam detector
BEAM1224S	Beam detector with built in test station

Accessories

Part #	Description
BEAMSMK	Surface Mount Kit for BEAM 1224, for flat surfaces only
BEAMLRLK	BEAMSMK Surface mount kit Long range kit (70-100m)
BEAMMK	Multi mount kit - For use when mounting beam detector on ceiling or on an angle.
RTS451KEY	Remote test station with key lock to reset beam detector



Type E Thermal Probes

- Provides fixed point operation
- High Temperature setting
- Common & Normally Open contacts
- 316 Stainless Steel
- Not certified for NZ4512, can be used for engineered solutions++

Part #	Description
E60	Type E Thermal Probe set @ 60 °deg
E70	Type E Thermal Probe set @ 70 °deg
E80	Type E Thermal Probe set @ 80 °deg
E90	Type E Thermal Probe set @ 90 °deg
E100	Type E Thermal Probe set @ 100 °deg
E110	Type E Thermal Probe set @ 110 °deg
E120	Type E Thermal Probe set @ 120 °deg
E150	Type E Thermal Probe set @ 150 °deg
E180	Type E Thermal Probe set @ 180 °deg
E200	Type E Thermal Probe set @ 200 °deg
E240	Type E Thermal Probe set @ 240 °deg

CONVENTIONAL MANUAL CALL POINTS



Conventional Indoor MCP

This MCP is highly reliable with an aesthetically pleasing, compact, low-profile design.

- Flexibal non- frangible element

FPA Equipment Listing#: NI/601



Conventional Outdoor MCP

This MCP is highly reliable with an aesthetically pleasing, compact, low-profile design.

- Flexibal non- frangible element
- IP67

FPA Equipment Listing#: NI/602

Part #	Description
MCPCNZ	NZ conventional MCP Indoor Red, flexible element, with clear flap

Accessories

Part #	Description
NZMCPOS	Polycarbonate MCP operation sign
NZFE1612	Flexible MCP element with Notifier Logo
PS200FLAP	Replacement Clear flap cover for MCP
SC070	Spare test key (pk10)
PS059	Breakable seal for hinged cover (pk5)
NZTB017	Surface mount bezel and adaptable plate for NZ back box
SG-1x10	Glass replacement element for MCP (Pack of 10)
STI-1130	Indoor Protective cover Stopper II® with Horn & Clear Spacer, Fire Label / red horn/clear space

Part #	Description
MCPCWPNZ	NZ conventional MCP Outdoor Red, flexible element, with clear flap



Conventional Indoor Manual Call Points

- Normally Open and Normally Closed operation
- Transparent cover available. (Standard on Yellow MCP)
- Multiple colour options for variety of functions
- Flexible (non-glass) element available (Standard on Red resettable MCP)

Part #	Description
MCP1A-R	Red MCP, indoor, surface mount, "House + Flame", back box included
MCP3A-R	Red MCP resettable indoor, surface mount
MCP3A-W	White MCP, indoor, surface mount "Emergency Alarm"
MCP3A-Y	Yellow MCP, indoor, surface mount, "Extinguishant Release"
MCP3A-G	Green MCP, indoor, surface mount, "Door Release"
MCP3A-B	Blue MCP, indoor, surface mount, no label

Accessories

Part #	Description
SG-1x10	Spare MCP glass (pk 10) common to all MCP's
PS200FLAP	Clear replacement flap to cover MCP from accidental breakage - curved shape
PS210	Flexible MCP element to suit KAC MCP's
SC070	Spare test key (pk 10) SC070



WCP3A Conventional Outdoor Manual Call Points

- Outdoor (IP67) rating
- Normally Open and Normally Closed operation
- Transparent cover available. (Standard on Yellow MCP)
- Multiple colour options for variety of functions
- Flexible (non-glass) element available

Part #	Description
WCP3A-R	Red surface mount MCP, "House + Flame"
WCP3A-W	White surface mount MCP, "Emergency alarm"
WCP3A-Y	Yellow surface mount MCP with clear cover, "Extinguishant Release"
WCP3A-G	Green surface mount MCP, "Door Release"
WCP3A-B	Blue surface mount MCP, no label

Accessories

Part #	Description
SG-1x10	Spare MCP glass (pk 10)
PS200FLAP	Clear replacement flap to cover MCP from accidental breakage - curved shape
PS210	Flexible MCP element
SC070	Spare test key (pk 10)



Double Pole Manual Call Points

- Indoor & Outdoor (IP67) rating
- Transparent cover available.
- Multiple colour options for variety of functions
- With Glass or Flexible (non-glass) element available



Part #	Description
MCP4A-WSF	White Double pole indoor call point for Emergency door release, with flexible element
MCP4A-GSF	Green Double pole indoor call point for Emergency door release, with flexible element
MCP4A-GSG	Green Double pole indoor call point for Emergency door release, with glass element
WCP4A-GSG	Green Double pole outdoor call point IP67, with glass element
WCP4A-RSG	Red Double pole outdoor call point IP67, with glass element

CONVENTIONAL HUSH MODULE



NZ Conventional Hush Module

Notifier's Conventional Global Hush Module is designed to be used as a component part of a managed smoke facility System (MSFM) on the CFP-16 conventional fire alarm control panel.

- Provides a cost effective solution for installations in residential premises
- Simple installation and mounting
- Operating instructions screened on fascia of the unit (no additional label required)
- Flexible panel programming for MSFM operation

Part #	Description
HUSHCM	NZ Conventional Hush Module

ADDRESSABLE CLIP PROTOCOL DETECTORS



SDX-851 Intelligent Photo Sensor

- CLIP protocol
- Flat chamber design to reduce false alarms
- Adjustable from 1.64% to 7.71%/m obscuration

FPA Equipment Listing#: NI/321

Part #	Description
SDX-851AUS	CLIP Photo-optical Smoke Sensor - off white



FDX-851(R) Intelligent Thermal Sensor

- CLIP protocol
- Fixed Temp or Rate-of-Rise models available
- Adjustable from 58°C to 88°C

FPA Equipment Listing#: NI/217, 218

Part #	Description
FDX-851AUS	CLIP fixed temperature thermal sensor - off white
FDX-851RAUS	CLIP rate of rise thermal sensor - off white



IDX-751 – Intrinsically Safe Addressable Photoelectric Detector

- CLIP protocol
- Uses universal B501 plug in base
- Use with KFD0-CS-Ex1.54-Y2 - P+F 1-channel isolated barrier

Certified to IEC:

- Ex ia-IIB T5 Ga (-20oC ≤ Ta ≤ +40oC)
- Ex ia-IIB T4 Ga (-20oC ≤ Ta ≤ +60oC)
- Zones 0, 1 and 2

FPA Equipment Listing#: NI/323

Part #	Description
IDX-1AE	Intrinsically safe addressable photoelectric detector - off white

Accessories

Part #	Description
IMX-1E	Intrinsically safe translator module.

See page 49 for isolators

ADDRESSABLE FLASHSCAN PROTOCOL DETECTORS



FSP-851 Intelligent Photo Sensor

- FlashScan protocol
- Dual Bi-colour LED indication
- Flat chamber design to reduce false alarms
- Adjustable from 1.64% to 7.71%/m obscuration
- Fine protective mesh to prevent insect entry

FPA Equipment Listing #: NI/304

Part #	Description
FSP-851AUS	FlashScan Photo-optical Smoke Sensor - off white
FSP-851AUS/BCK	FlashScan Photo-optical Smoke Sensor - black



FAPT-851 Acclimate™ Multi-Criteria Sensor

- FlashScan protocol
- Photo and Thermal multi-criteria sensing
- Automatically adjusts sensitivity based on environment
- Capable of "heat-only" alarm mode to prevent smoke from alarming the device
- Adjustable from 1.3% to 13% obscuration
- Incorporates 63°C fixed temp alarm

FPA Equipment Listing #: NI/301

Part #	Description
FAPT-851AUS	FlashScan Acclimate Multi-Criteria Heat/Smoke Sensor



FST-851(R) Intelligent Thermal Sensor

- FlashScan protocol
- Fixed Temp or Rate-of-Rise models available
- Adjustable from 58°C to 88°C

FPA Equipment Listing #: NI/201, 227

Part #	Description
FST-851RAUS	FST-851RAUS – FlashScan rate of rise thermal sensor (ROR 63C) - off white, Type A
FST-851AUS	FST-851AUS – FlashScan fixed temperature thermal sensor (Fixed 63C) - off white, Type B
FST-851HAUS	FST-851HAUS - High Temperature Thermal sensor (Adjustable 63C -88C) - off white, Type D



FST-851(R)-WP Intelligent Sealed Thermal Sensor

- FlashScan protocol
- Fixed Temp or Rate-of-Rise models available

FPA Equipment Listing #: NI/207, 208

Part #	Description
FST-851-WP	FlashScan fixed temperature sealed thermal sensor (Fixed 63C) - off white
FST-851R-WP	(ROR 63C) - off white

Accessories

Part #	Description
CP500	Address programmer for FST-851-WP



FSC-851 IntelliQuad™ Multi-Criteria Sensor

- FlashScan protocol
- Multi-Criteria sensing provided by Photo, Thermal, Carbon Monoxide and Infra-Red sensing elements
- Designed to reduce false alarms
- Capable of “heat-only” alarm mode to prevent smoke from alarming the device

FPA Equipment Listing #: NI/322

Part #	Description
FSC-851AUS	FlashScan IntelliQuad multi-criteria sensor – CO, Photo, Thermal and IR - off white



Addressable Reflector type Beam Detector

- FlashScan protocol
- Powered from the SLC
- Single-ended reflective design
- 10-100m range >70m requires BEAMMMK
- Ceiling or wall mount unit
- In-built alignment tool
- Automatic gain control
- Remote test station available
- FSB-200S includes built-in test station

FPA Equipment Listing #: NI/310

Part #	Description
FSB-200	Beam Detector complete with reflector
FSB-200S	Beam Detector with built-in test facility

Accessories

Part #	Description
BEAMSMK	Surface Mount Kit for BEAM 1224 for flat surfaces only
BEAMLRK	Long range kit (70-100m)
BEAMMK	Multi mount kit - For use when mounting beam detector on ceiling or on an angle. Requires BEAMSMK
RTS151KEY	Key Remote test station with key lock to reset beam detector

DETECTOR ACCESSORIES



Universal Addressable Detector Base

- Universal for all plug-in addressable detectors
- Colour coded terminal
- Tamper proof lock
- Multiple hole centres

Part #	Description
B501AUS	Universal addressable detector base, off-white
B501AUS-W	Universal addressable detector base, pure white
B501AUS-BK	Universal addressable detector base, black

Accessories

Part #	Description
SMK-400	Surface mount box for off-white detector base
WB-1AP-IV	Wet base shroud for analogue and conventional detectors 200 Series



B524IEFT - Short Circuit Isolator Base

- Universal for all plug-in addressable detectors
- Tamper proof lock
- Multiple hole centres
- In-built short circuit isolator

FPA Equipment Listing #: NI/660

Part #	Description
B524IEFT	Universal addressable detector base with isolator, off-white



Coloured Detector Options

Replaceable cover for 851 series Photoelectric, Ionization and Heat detectors.

Part #	Description
BCK-200B/10	Black detector conversion kit for the 851 and 2151B (Pack of 10)
W-200B/1	Detector cover - Pure White to suit 800 series and 2151BAUS



Intelligent Duct Detector Housings

- Air velocity rating from 0.5 m/s to 20.32m/s
- Versatile mounting option.
- Replaceable plug-in sensor head (not included)
- Backward compatible with Innovair models
- Indoor and Weatherproof (IP66) options

NOTE: Requires separate intelligent detector and sampling tube

FPA Equipment Listing #: NI/324, 325

Part #	Description
DNR-AUS	Duct detector housing for intelligent photoelectric detectors, requires detector and sampling tube
DNRW	Weatherproof duct detector housing for intelligent detector, requires detector and sampling tube

Accessories

Part #	Description
DST1.5	Sampling tube to suit duct 0.3m to 0.6m
DST3	Sampling tube to suit duct 0.5m to 1.2m
DST5	Sampling tube to suit duct 1.2m to 2.4m
DST10	Sampling tube to suit duct 2.4m to 3.7m
ETX	Duct detector exhaust tube



Stainless Steel Detector Guard

- requires project related approval

Part #	Description
DETS	Stainless steel square detector guard Height: 100mm, Width: 110mm, Depth: 60mm



Wire Detector Guard

- Protect detector against tamper and accidental damage

Part #	Description
STI-9604	White wire detector guard

REMOTE INDICATORS



Remote Indicators

- Compatible with conventional and addressable detectors
- High brightness LED

Part #	Description
RI-CON	Remote indicator "FIRE ALARM – IN CONCEALED SPACE"
RI-FLOOR	Remote indicator "FIRE ALARM – IN UNDER FLOOR"
RI-LIFT	Remote indicator "FIRE ALARM – IN LIFT SHAFT"
RI-ROOF	Remote indicator "FIRE ALARM – IN ROOF"
RI-ROOM	Remote indicator "FIRE ALARM – IN ROOM"



Concealed Detector Bracket

Part #	Description
DETBKT-1	Concealed detector bracket -1m
DETBKT-2	Concealed detector bracket -2m
DETBKT-3	Concealed detector bracket -3m

ADDRESSABLE FIELD I/O MODULES

Addressable Output Modules



- FlashScan protocol
- Control or Relay versions available for creating addressable relay outputs or notification appliance circuits

FPA Equipment Listing #: NI615, 614

Part #	Description
FCM-1	Single intelligent control (monitored output) module. Requires external 24VDC
FRM-1	Single intelligent relay output module.

Accessories

Part #	Description
SMB-500	Surface mount box to suit 500 series modules

Addressable Modules



Addressable Monitor Modules

- FlashScan protocol
- Switch input or conventional zone versions available.

FPA Equipment Listing #: NI/610, 609, 608, 607

Part #	Description
FMM-101	Single switch input mini-module
FMM-1	Single switch input module
FZM-1	Single conventional zone interface module Requires external 24VDC

Accessories

Part #	Description
SMB-500	Surface mount box to suit 500 series modules
ZCM	Conventional Zone Conversion Module for FZM-1 and XP6-MA



ISO-X Loop Isolator Module

- Isolates section of loop against short circuits.

FPA Equipment Listing #: NI/613, 619

Part #	Description
ISO-X	Loop (SLC) isolator module

Accessories

Part #	Description
SMB-500	Surface mount box to suit 500 series modules



FDMR-1 Addressable Dual Input/Output Module

- Ideally suited to AS1668 fan control function
- FlashScan protocol
- Can disable 1 input and/or 1 output
- DIN rail, panel or surface mount accessories

FPA Equipment Listing #: NI/613, 619

Part #	Description
FDMR-1	FlashScan dual input/output module

Accessories

Part #	Description
M200E-DIN	DIN rail mount clip
M200E-PMB	Panel mounting clip
M200E-SMB-KO	Surface mount box with knockouts



SLC Isolator Module

- Loop isolator module
- With plug-in screw connections and LEDs
- Euro cassette style

Part #	Description
M700X	SLC Isolator module Euro cassette style

Accessories

Part #	Description
M200E-DIN	DIN rail mount clip
M200E-PMB	Panel mounting clip
M200E-SMB-KO	Surface mount box with knockouts

ADDRESSABLE HUSH MODULE



Addressable Hush Module

Notifier's addressable Hush Module is designed to be used as a component part of a Type 5 - 7e fire alarm control system.

- Provides a cost effective solution for installations in residential premises
- Simple installation and mounting
- Operating instructions screened on fascia of the unit(no additional label required)
- Flexible panel programming for NZS4512:2010 (Type 5 operation)
- Intuitive rotary decade address setting

FPA Equipment Listing #: NI/649

Part #	Description
HUSHAM	NZ Addressable Hush Module



ADDRESSABLE FIELD INPUT & OUTPUT MULTI-MODULES

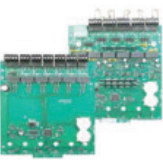


XP Series Multipoint Monitor Modules

- Used to interface with devices such as flow and pressure switches, SFIP's or conventional detectors.
- Switch input or conventional zone versions available
- Can disable up to 2 unused inputs.
- Mounts in CHS-x chassis

FPA Equipment Listing #: NI/606, 604

Part #	Description
XP-10M	10 way switch input module
XP-6MA	6 way Conventional zone interface module Requires external 24V / Requires ZCM
ZCM	Zone Conversion Module



XP Series Multipoint Output Modules

- FlashScan protocol
- Control or Relay versions available for creating addressable relay outputs or notification appliance circuits
- Can disable up to 2 unused outputs.
- Mounts in CHS-x chassis

FPA Equipment Listing #: NI/607

Part #	Description
XP-6R	6 way relay output module
XP-6C	6 way control output (NAC) module Requires external 24V

ADDRESSABLE MANUAL CALL POINTS



Addressable Indoor MCP

These MCP's are designed for use on the two wire communication circuit providing both signaling of an alarm to the fire indicator panel and local LED indication of activation.

- CLIP protocol
- Inbuilt loop isolator

FPA Equipment Listing #: NI/626

Part #	Old #	Description
MCPANZ	FG-05-047	NZ MCP with isolator - Indoor red, surface mount with clear cover

Accessories

Part #	Old #	Description
NZMCPOS	FG-42-033	Polycarbonate MCP operation sign
NZFE1612	FG-18-026	Flexible MCP element with Notifier Logo
PS200FLAP	FG-18-026	Replacement Clear flap cover for MCP
SC070	FG-18-023	Spare test key (pk10)
PS059	FG-18-024	Breakable seal for hinged cover (pk5)
NZTB017	FG-18-025	Surface mount bezel and adaptable plate for NZ back box
STI-3150	FG-72-016	Weather stopper, clear polycarbonate enclosure



WCP5A Addressable Outdoor MCP

These MCP's are designed for use on the two wire communication circuit providing both signaling of an alarm to the fire indicator panel and local LED indication of activation.

- CLIP protocol
- Inbuilt loop isolator
- IP67 outdoor rating

FPA Equipment Listing #: NI/627

Part #	Description
MCPAWNZ	NZ MCP with isolator - Outdoor red, surface mount with clear cover

Accessories

Part #	Old #	Description
NZMCPOS	FG-42-033	Polycarbonate MCP operation sign
NZFE1612	FG-18-026	Flexible MCP element with Notifier Logo
PS200FLAP	FG-18-026	Replacement Clear flap cover for MCP
SC070	FG-18-023	Spare test key (pk10)
PS059	FG-18-024	Breakable seal for hinged cover (pk5)
NZTB017	FG-18-025	Surface mount bezel and adaptable plate for NZ back box
STI-3150	FG-72-016	Weather stopper, clear polycarbonate enclosure

ADDRESSABLE LOOP POWERED AV



NFX Series Wall Mount Sounders & Beacons

- CLIP protocol
- Powered from SLC
- Fits to B501AUS plug in base for easy install

Part #	Description
NFX-WS-R	Addressable Wall Sounder. Red
NFX-WSF-RR	Addressable Sounder\ Strobe
NFX-WF-RR	Addressable Strobe

Accessories

Part #	Description
B501AP-IV	Plug in base for NFX series
BRR	Deep base. Red
BDD	Deep base. Off-white
WRR	Waterproof base. Red
WDD	Waterproof base. Off- white



NFX Series Base Sounders & Beacons

- CLIP protocol
- Powered from SLC
- Fits to B501AP plug in base for easy install
- Able to fit detector directly to sounder/strobe

Part #	Description
NFX-BS-IV	Addressable Sounder base. Off-white
NFXI-BS-IV	Addressable Sounder base with isolator
NFX-BF-IVR	Addressable Strobe base
NFX-BSF-IVR	Addressable Sounder/ Strobe base

Accessories

Part #	Description
B501AP-IV	Plug in base for NFX series
BRR	Deep base. Red
BDD	Deep base. Off-white
WRR	Waterproof base. Red
WDD	Waterproof base. Off- white
IBS-LID/DW	Lid to suit sounder base (pk10)

I-2000 - EMERGENCY WARNING AND COMMUNICATION SYSTEM



The Notifier I-2000 Emergency Warning and Intercommunication System (EWIS) has been designed to facilitate the orderly and speedy evacuation of a building in the event of an emergency. This procedure may be initiated automatically by a fire alarm system or manually by a break glass call point.

The I-2000 may be used as a fully automated system or it will allow Fire Wardens to easily control and coordinate an evacuation using the dedicated emergency telephone network.

- Vertical control layout with up to 3 WIPs per zone
- Any combination of the following amplifiers can be used; 10W, 25W, 50W, 100W and 200W.
- Programmable timers and user configuration can be achieved on site.
- Background music inputs and PABX inputs available with zone selection through keypad control.
- Warden present indicators
- Cascade override
- Remote paging consoles
- Distributed network amplifiers

As these systems are available in any size or configuration, pricing is dependent on the particular design.

FPA Equipment Listing #: NI/401



Warden Intercom Phones

- Separate speaker for call tone
- Simple two wire connection
- Includes wall mounting bracket
- Compatible with all I2000 systems

Part #	Description
WIP	Handset to suit I-2000 EWIS panel



Weatherproof Enclosures

- Surface mount outdoor enclosure in red
- Ideally suited as WIP handset enclosures
 - Thumb turn handle (non locked)

Cabinet Dimensions:

- 300mm H x 200mm W x 150mm D

Part #	Description
WIP-BOX-IP66	Weather proof (IP66) surface mount enclosure

DA SERIES BUILDING OCCUPANT WARNING SYSTEM



DA Series Stand-alone Occupant Warning Systems

Stand alone occupant warning system including power supply and battery charger in metal enclosure.

- Digital pre-recorded speech messages
- Chime, Lock-down, False alarm and Test messages
- Ability to synchronize multiple amplifiers
- Includes DA series BOWS and power supply indications and controls

Cabinet Dimensions:

- CAB650 - 650mm H x 450mm W x 190mm D

Part #	Description
DA-30CAB	Stand alone 30W occupant warning system with NPS-5 in CAB650
DA-60CAB	Stand alone 60W occupant warning system with NPS-11 in CAB650
DA-120CAB	Stand alone 120W occupant warning system with NPS-11 in CAB650

FPA Equipment Listing #: NI/409, 410, 411



DA Series Occupant Warning Modules

- Digital pre-recorded speech messages
- Chime, Lock-down, False alarm and Test messages
- Ability to synchronize multiple amplifiers
- Mounts onto CHS-1L chassis

Part #	Description
DA-30	30 Watt building occupant warning system
DA-60	60 Watt building occupant warning system
DA-120	120 Watt building occupant warning system

Accessories

Part #	Description
CMM-2	CMM-2 – Custom message module (2 x messages)



DA Series Occupant Warning Display Modules

Provides DA series occupant warning system amplifiers with manual control and PA functionality.

- Designed to be installed in standard annunciator slots.

Part #	Description
DA-DISPA	DA Series control and microphone to suit 18u/28u/40u cabinets
DA-DISPB	DA-DISP/B – DA Series control and microphone to suit CAB650/CAB900 cabinets
DA-DISPC	DA-DISP/C – DA Series control module to suit 18u/28u/40u cabinets
DA-DISPD	DA-DISP/D – DA series PA selector for up to 4 zones Requires a DA-DISP/C for each zone control



SDM-4 Speaker Distribution Module

The SDM-4 can be used with a DA series amplifier to provide up to 4 individual monitored speaker circuits.

- 40W output per circuit (max)
- Inputs to disable zones
- Individual S/C and O/C indications

Part #	Description
SDM-4	4 way speaker distribution module



Remote Desktop Paging Console

Paging console to provide remote paging functionality to DA series amplifiers

- CAT5 connection to DA series OWS
- max 300m from OWS

Part #	Description
MIC/1D	Desktop paging console, 1 x Zone
MIC/4D	Desktop paging console, 4 x Zones

CEILING SPEAKERS



SP-100 Ceiling Speaker

- Power tapings: 0.375, 0.75, 1.5, 3, 6 W
- SPL: 90dB 1W @ 1m
- Ceiling cut-out: 140mm ø

Part #	Description
SP-100	Recessed ceiling speaker - 100mm

Accessories

Part #	Description
L-SMB-W	Surface mount box to suit 4" speaker, White Ø 280mm, depth 75mm



SP-100-BK Black Ceiling Speaker

- Power tapings: 0.375, 0.75, 1.5, 3, 6 W
- SPL: 90dB 1W @ 1m
- Ceiling cut-out: 140mm ø

Part #	Description
SP-100-BK	Recessed ceiling speaker (100mm)

Accessories

Part #	Description
L-SMB-BK	Surface mount box to suit 4" speaker, Black dia. Ø 280mm, depth 75mm

HORN SPEAKERS



SPH-15W Horn Speaker

- Power tapings: 0.95, 1.9, 3.75, 7.5, 15 W
- SPL: 106dB 1W @ 1m
- Suitable for outdoor (IP66)

Part #	Description
SPH-15	SPH-15 - 15W Horn Speaker



Exd Alarm Horn Speakers

- 100V audio line
 - 15W RMS rated output
 - 102dB @ 1W
- Certified to IEC:-
- II 2G Ex d-IIB T4 Ta. -50oC to +70oC
 - II 2G Ex d-IIC T4 Ta. -50oC to +55oC
 - II2D Ex tD A21 IP67 T115 **
 - Zones 1,2, 21 and 22

Part #	Description
BEXL15D100V	BExL15D100V Exd Horn Speaker - 100V line, 15W
BEXCS110-L2D	Exd Alarm Horn\LED Beacon, 110 dB

HONEYWELL AS7240.24 CERTIFIED



Wall mount Loudspeakers

- Intelligible voice and superior sound reproduction
- Robust metal enclosure
- Harmonious with all indoor decoration
- Simple power setting
- Easy installation
- AS ISO 7240-24 Certified Type A Speaker / IP21C
- Available with or without capacitor(part number without "C")

Part #	Description
L-VWM06A/ENC	4" metal wall mount loudspeaker, 6/3/1.5/0.75W, white metal enclosure, AS ISO 7240.24:2015, with capacitor

HONEYWELL AS7240.24 CERTIFIED SPEAKERS



Ceiling Loudspeakers

- Excellent sound reproduction
- Robust plastic/metal dome
- AS ISO 7240-24 Certified Type A Speaker / IP21C
- Available with or without capacitor (part number without "C")



Horn Loudspeakers

- Intelligible voice and superior sound reproduction
- Low-profile design blends easily into any outdoor applications
- Ergonomic and stylish design
- High-strength UV protective UL94V0 ABS housing
- AS ISO 7240-24 Certified Type B Speaker / IP33C certified (IP 66 compliant)



Projection Loudspeakers

- Intelligible voice and superior sound reproduction
- Ceiling or wall mount
- Meets virtually any outdoor requirements
- AS ISO 7240-24 Certified Type B Speaker / IP33C certified (IP65 compliant)
- Available with or without capacitor(part number without "C")



Column Loudspeakers

- Intelligible voice and superior sound reproduction
- Robust aluminum housing
- Supplied with universal swivel bracket for easy angle adjustment
- Able to be switched between 100V and 70V
- Adapts to extreme environmentw
- AS ISO 7240-24 Certified Type B Speaker / IP33C certified (IP65 compliant)
- Available with or without capacitor (part number without "C")



L-PPP20A – Pendant Speaker

- Suitable for speech and music reproduction
- Robust fire resistant ABS enclosure
- 2m long fire resistant cable
- Not AS7240.24 certified requires project related approval

Part #	Description
L-VCP06D-W	4"Ceiling Loudspeaker, 6/3/1.5/0.75/0.375W White White plastic dome, AS ISO7240. 24: 2015, with capacitor
L-VCP06D-BK	4" Ceiling Loudspeaker, 6/3/1.5/0.75/0.375W Black Black plastic dome, AS ISO7240. 24: 2015, with capacitor
L-VCP06A/ENC	5" Ceiling loudspeaker, 6/3/1.5W White White plastic dome, AS ISO 7240.24:2015, with capacitor
L-VCM6A/ENC	6.5" Metal ceiling loudspeaker, 6/3/1.5/0.75W White Red dome, AS ISO 7240.24:2015, with capacitor

Accessories

Part #	Description
L-SMB-W	Surface mount box to suit 4" speaker White, Ø 280mm, depth 75mm.
L-SMB-BK	Surface mount box to suit 4" speaker Black, Ø 280mm, depth 75mm.

Part #	Description
L-VHP15A/EN	Outdoor horn, 15/10/5W, 8ohm, Grey, ABS, AS ISO 7240.24:2015, with capacitor

Part #	Description
L-VJM10A/ENC	Unidirectional loudspeaker, 10/5/2.5/1.25W, White, Aluminum, AS ISO 7240.24:2015, with capacitor
L-VJM20A/ENC	Unidirectional projection loudspeaker, 20/10/5/2.5W, White, Aluminum, AS ISO 7240.24:2015, with capacitor
L-VBM20A/ENC	Bidirectional speaker, 20/10/5/2.5W, White, Aluminum, AS ISO 7240.24:2015, with capacitor

Part #	Description
L-VOM20A/ENC	Outdoor column speaker, 20/10/5/2.5W, White, Aluminum, AS ISO 7240.24:2015, with capacitor
L-VOM40A/ENC	Outdoor column speaker, 40/20/10/5W, White, Aluminum, AS ISO 7240.24:2015, with capacitor

Part #	Description
L-PPP20A	Pendant Speaker

INSTALLATION TOOLS



Hole Saws

A range of quality hole saws to permit easy installation of suit the Notifier ceiling speakers.

Part #	Description
HOESAW-100	140mm Hole saw to suit 4" speakers
HOESAW-125	165mm Hole saw to suit 5" speakers
ARBOR	A6 Arbor to suit hole saw



NOTIFICATION APPLIANCES



ENscape Series Wall/Ceiling Sounders

- 2 stage tones
- Up to 110db (A) output (max)
- Outdoor (IP65) version
- 12mA alarm current
- 32 tones
- Synchronized sound
- EN54-3 approved

Part #	Description
CWSO-RR-S1	Surface mount low profile sounder. Red
CWSO-WW-S1	Surface mount low profile sounder. White
CWSO-RR-W1	Surface mount IP65 sounder. Red
CWSO-WW-W1	Surface mount IP65 sounder. White



ENscape Series Sounder with supplementary Indicator

- 2 stage tones
- 110dB 110db (A) output (max)
- Outdoor (IP65) version
- 22mA alarm current
- 32 tones
- Synchronized flash and sound
- Sounder EN54-3 approved Strobe not EN54-23 approved

Part #	Description
CWSS-RB-S7	Strobe Beacon. Red body, Red Lens, low profile base
CWSS-RB-W7	Strobe Beacon. Red body, Red Lens, Deep/IP65 base



ENscape Beacons

- Excellent light output
- Soft start function to reduce power surges
- Synchronized flash

Part #	Description
CWST-RB-S7	Signal Beacon, Red body, Red Lens, low profile base
CWST-RB-W7	Signal Beacon, Red body, Red Lens, low Deep/IP65 base
CWST-WA-S7	ENscape Beacon red body, amber lens, low profile base
CWST-WW-S5	ENscape Beacon white body, clear lens low profile base, EN54-23 W & C Class



Mini Horn Sounders

- Up to 91dB output
- 13mA alarm current
- 12/24VDC operation

Part #	Description
MHW	SpectraAlert Mini-Horn Sounder T3 pattern, - White
MHR	SpectraAlert Mini-Horn Sounder T3 pattern, - Red



SOLEX Series Strobes

- 10cd output
- 10V-60VDC input
- IP54 with shallow base, IP65 Deep base
- 80mA alarm current

Part #	Description
SOLEX10A	Solex Strobe 10Cd - Amber Shallow Base (10-60vdc)
SOLEX10B	Solex Strobe 10Cd - Blue Shallow Base (10-60vdc)
SOLEX10G	Solex Strobe 10Cd - Green Shallow Base (10-60vdc)
SOLEX10R	Solex Strobe 10Cd - Red Shallow Base (10-60vdc)

Accessories

Part #	Description
SOLEX-WDBR	Deep conduit base to suit Roshni/Solex - Red
SOLEX-WDBW	Deep conduit base to suit Flashni/Solex - White



UL- AV Devices

Features include

- A universal mounting plate with a preliminary snap-in feature to hold the product in place for the screw attachment
- 7 field-selectable candela settings 15, 30, 75, 95, 110, 135, 185 for wall and ceiling mount devices.
- Rotary switches to select horn tone and volume settings. Compatible with 12- or 24-volt systems.
- L-Series horn strobes are listed to UL 1971 and UL 464 for public mode evacuation.

Part #	Description
SRL- P	Red indoor wall mount strobe with clear lens, plain
P2RL-P	Red indoor horn strobe 2w, plain
SRHK-P	Red outdoor strobe, IP66, with clear lens High Candela, Plain/ no label



Red and Amber Dual Strobes

- 100mA alarm current (per strobe)
- Strong metal mounting box

Part #	Description
STR-DUAL	Red and Amber Dual strobe on white metal box



SRHKRLFIRE Outdoor Brigade Strobe

- 135-185cd adjustable output
- 228 - 286mA alarm current
- Outdoor (IP66) rating
- Labelled "FIRE" in accordance with requirements of AS1670.1
- Includes surface mount back box

Part #	Description
SRHKRLFIRE	SpectraAlert Advance Outdoor Brigade strobe

HAZARDOUS AREA NOTIFICATION APPLIANCES



Explosion Proof Strobes

- High output 5J or 15J options

Certified to IEC:-

- II 2G Ex d-IIC t
- II 2G Ex d-IIC T4 Ta. -50oC to +60oC
- II 2G Ex d-IIC T5 Ta. -50oC to +55oC
- II 2G Ex d-IIC T6 Ta. -50oC to +40oC
- II 2D Ex tD IIC A21 T115oC Db IP67
- Zones 1, 2, 21 and 22

Part #	Description
BEXBGL2D	Exd LED beacon - Red Lens, 24V DC
BEXBG05D24DC-RD	Exd Strobe, 5J, Red Lens, 24V DC
BEXBG05D24DC-AM	Exd Strobe, 5J Amber Lens, 24V DC
BEXBG15D24DC-RD	Exd Strobe, 15J Red Lens, 24V DC
BEXBG15D24DC-AM	Exd Strobe, 15J Red Lens, 24V DC



Explosion Proof Alarm Horns

- High 110dB or 120dB output
- 45 tone settings

Certified to IEC:-

- II 2G Ex d-IIB T4 Ta. -50oC to +70oC
- II 2G Ex d-IIC T4 Ta. -50oC to +55oC
- II2D Ex tD A21 IP67 T115 **
- Zones 1,2, 21 and 22

Part #	Description
BEXS110D24DC	Exd Alarm Horn, 110 dB
BEXS120D24DC	Exd Alarm Horn, 117 dB



IS-A105N-R Intrinsically Safe Horn Sounder

- 105dB output
- 49 tone settings and 3 input stages

Certified to IEC:-

- II 1G Ex ia-IIC T4 Ga. -40oC < Ta < +60oC
- Zone 0

Part #	Description
IS-A105N-R	Intrinsically safe Horn Sounder 24VDC, Red



IS-mA1-R Intrinsically Safe 'Minialarm' Sounder

- 100db output
- 49 tone settings and 3 input stages

Certified to IEC:-

- II 1G Ex ia-IIC T4 Ga. -40oC < Ta < +60oC
- Zone 0

Part #	Description
IS-MA1-R	Intrinsically safe Mini alarm Sounder 24VDC, Red



IS-mC1-R Intrinsically Safe 'Minialert' Combined Sounder/Beacon

- 100db output
- 24cd beacon output
- 49 tone settings and 3 input stages

Certified to IEC:-

- II 1G Ex ia-IIC T4 Ga. -40oC < Ta < +60oC
- Zone 0

Part #	Description
IS-MC1-R/R	Minialert combined sounder/beacon, 24VDC, Red



IS-mB1 Intrinsically Safe 'Minialite' Beacon

- 24cd beacon output

Certified to IEC:-

- II 1G Ex ia-IIC T4 Ga. -40oC < Ta < +60oC
- Zone 0

Part #	Description
IS-MB1-R/R	Intrinsically safe Minialite red lens
IS-MB1-R/A	Intrinsically safe Minialite amber lens
IS-MB1-R/B	Intrinsically safe Minialite blue lens



IS-L101L Intrinsically Safe LED Beacon

- 48cd beacon output

Certified to IEC:-

- II 1G Ex ia-IIC T4 Ga. -40oC < Ta < +60oC
- Zone 0

Part #	Description
IS-L101L-R/R	Intrinsically safe LED Beacon red lens
IS-L101L-R/A	Intrinsically safe LED Beacon amber lens
IS-L101L-R/B	Intrinsically safe LED Beacon blue lens

FIRE BELLS



SSM Series Fire Bells

SSM series alarm bells are low current, high decibel notification appliances for use in fire or other signaling applications.

- High dB output
- Suitable for indoor and outdoor use
- Low current draw

Part #	Description
SSM24-6	6" (150mm) Alarm bell – 24VDC
SSM24-8	8" (200mm) Alarm bell – 24VDC
SSM12-6	6" (150mm) Alarm bell – 12VDC

Accessories

Part #	Description
WBB	Back Box to suit Bells –Red



Fire alarm bells for hazardous areas (Exd)

Part #	Description
BEXSB1DC24G	Exd 8" Fire Bell Red, 24V
BEXSB1AC230G	Exd 8" Fire Bell Red, 240Vac low current high decibel

AGENT RELEASE MODULE



The Notifier Agent release module is used to control the release of suppressing agents in accordance with AS4214 or AS14520.1

- Dual risk operation from 3 risk inputs
- Optional Pyrozone interface
- Master "Service Isolate" button
- Fits into 1 x CHS-xL slot

Part #	Description
ARM	Agent Release Module Kit

Accessories

Part #	Description
LCS-SW	Spare Switch

AGENT RELEASE LOCAL CONTROL STATION (LCS)



The Notifier local control station is used for connection to a gas control panel for remote control of the suppression agent isolation and release.

- Simple to install, flip down enclosure
- Interfaces to Notifier Agent Release module

Enclosed Dimensions (Standard LCS)
- 190mm Hx 110mm Wx 80mm D

Part #	Description
LCS	Agent release local control station

Accessories

Part #	Description
LCS-SW	Spare Switch



Enclosure Dimensions (Standard LCS):
- 190mm H x 110mm W x 80mm D

Part #	Description
STI-3150	Weather stopper, clear polycarbonate enclosure
STI-1130	Indoor Protective cover Stopper II® with Horn & Clear Spacer, Fire Label / red horn/clear space

ILLUMINATED WARNING SIGNS



Indoor Red Warning Sign (body only)

- Attractive slim-line sign
- Integrated piezo sounder
- High brightness red LED illumination
- Range of standard face plates
- Black sign coloured text

Part #	Description
WSR-I	Red Indoor Warning Sign (body only)

Face Plates

Part #	Description
WSF-I/CUST	Indoor Face plate Customer Specified Text
WSF-I/FA-DNE	Indoor Face Plate "FIRE ALARM, DO NOT ENTER"
WSF-I/FA-EA	Indoor Face Plate "FIRE ALARM, EVACUATE AREA"
WSF-I/FDC	Indoor Face Plate "FIRE DOOR CLOSING"
WSF-I/DNE-GD	Indoor Face Plate "DO NOT ENTER, GAS DISCHARGED"



Outdoor Red Warning Sign (body only)

- IP66 outdoor rating
- Integrated piezo sounder
- High brightness red LED illumination
- Range of standard face plates
- Black sign coloured text

Part #	Description
WSR-O	Outdoor Red Warning Sign (body only)

Face Plates

Part #	Description
WSF-O/CUST	Outdoor Face plate, Customer Specified Text
WSF-O/FA-DNE	Outdoor Face Plate "FIRE ALARM, DO NOT ENTER"
WSF-O/FA-EA	Outdoor Face Plate "FIRE ALARM, EVACUATE AREA"
WSF-O/FDC	Outdoor Warning Sign Fascia "Fire Door Closing"
WSF-O/DNE-GD	Outdoor Face Plate "DO NOT ENTER, GAS DISCHARGED"



Indoor System Inoperative Warning Sign

- Attractive slim-line styling
- Integrated piezo sounder
- High brightness amber LED illumination
- System Inoperative faceplate for use with agent release systems
- Black sign coloured text

Part #	Description
WSA-I/SI	Indoor "System Inoperative" Warning Sign



Outdoor System Inoperative Warning Sign

- IP66 outdoor rating
- Integrated piezo sounder
- High brightness amber LED illumination
- System Inoperative faceplate for use with agent release systems
- Black sign coloured text

Part #	Description
WSA-O/SI	Outdoor "System Inoperative" Warning Sign
WS-FIRE	Warning Sign - "FIRE" 150mm x 60mm, red on white
WS-FIP	Warning Sign - "FIRE INDICATOR PANEL", red on white
WS-000	Warning Sign - "Dial 000, Local Fire Alarm Only", red on white, 80 x 25mm
WS-WFDC	Warning Sign - "WARNING - FIRE DOOR CLOSING", non-illuminating, 730mm(w) x 200mm(h)

HAZARDOUS AREA MANUAL CALL POINTS



EXD Manual Call Point

Certified to IEC:-

- Ex e d-IIC T6 Gb (-40oC ≤ Ta ≤ +55oC)
- Ex t-IIC T60 Db (-40oC ≤ Ta ≤ +55oC)

Part #	Description
BEXCP3A-BG-LF	Red ExD Manual Call Point with protective flap, no resistors



WCP3A-IS Intrinsically Safe Conventional Outdoor MCP

- Outdoor (IP67) rating
- Normally Open and Normally Closed operation
- Flexible (non-glass) element available

Certified to IEC:-

- Ex ia-IIB T4 Ga (-30oC ≤ Ta ≤ +40oC)
- Zones 0, and 20

Part #	Description
WCP3A-R-IS	Red surface mount Intrinsically safe MCP, House + Flame

Accessories

Part #	Description
SG-1X10	Spare MCP glass (pk 10), common to all MCP's
PS200FLAP	Clear replacements flap to cover MCP from accidental breakage suits all KAC MCP's - curved shape
PS210	Flexible MCP element
SC070	Spare test key (pk 10), to suit all MCPs

MAGNETIC DOOR HOLDERS



Surface Mount Magnetic Door Holders

- 400/1000N Holding force
- Spark suppression
- Reverse polarity diode fitted

Part #	Description
MDH400	MDH400 Magnetic Door Holder 400N (41kg)
MDH1000	MDH1000 Magnetic Door Holder 1000N (102kg)

Accessories

Part #	Description
MDHW15	Wall mount extension bracket 15cm
MDHW30	Wall mount extension bracket 30cm
MDH/F	Floor Mount Bracket



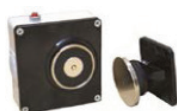
Floor/Wall Mount Magnetic Door Holders

- 15/30cm arm lengths
- Spark suppression
- Reverse polarity diode fitted

Part #	Description
MDH400/15	Wall or Floor mount magnetic door holder 400N (41kg) with 15cm arm
MDH400/30	MDH400/30 Wall or Floor mount magnetic door holder 400N (41kg) with 30cm arm

Accessories

Part #	Description
SZ2575	Surface mount box for MDH400/15 or MDH400/30



MDH1350 Magnetic Door Holder

Part #	Description
MDH1350	MDH1350 Surface mount magnetic door holder, 60mA (50kg)



Remote Door Release

Remote door release switch for magnetic door holders, fitted onto Clipsal style switch plate

Part #	Description
MDHREM	Remote door release plate

FLAME DETECTORS



FSL100 Flame Detectors

Honeywell's FSL100 range of Light Industrial/ Commercial Flame Detectors enables simple coverage of fire hazard areas across many fire hazard applications. Installation, set-up and operation are simple. Wide solid area coverage and fast speed of response optimize safety. With inbuilt automatic test and test lamps available to cover all models, reliability is ensured.

Key Features & Benefits

- UV, UV/IR and IR3 Flame Detectors to cover a wide range of applications
- Robust, simple to install & set-up; Wide angle and fast speed of response
- Automatic test and test lamps for simple check and maintenance.

Quick Specs

- FSL100 Flame Detectors - UV, UV/IR and IR3 for light industrial applications
- GRP Housing, available in Red or White with optional swivel mount
- 24VDC nominal (10-28VDC), 25mA nominal operation
- 4 to 20mA and Relay outputs.
- EN54-10 Performance Approved

Part #	Description
FSL100-UV	UV flame detector Suitable for ATEX zone 2/22; FM 3611 Class 1,2&3 Div2 EN54-10 (HIGH sensitivity) certificate FM3260 approval (pending*). Red Housing
FSL100-UV-W	UV flame detector Suitable for ATEX zone 2/22; FM 3611 Class 1,2&3 Div2 EN54-10 (HIGH sensitivity) certificate FM3260 approval (pending*). White Housing
FSL100-UVIR	UV/IR flame detector Suitable for ATEX zone 2/22; FM 3611 Class 1,2&3 Div2 EN54-10 (HIGH sensitivity) certificate FM3260 approval (pending*). Red Housing
FSL100-UVIR-W	UV/IR flame detector Suitable for ATEX zone 2/22; FM 3611 Class 1,2&3 Div2 EN54-10 (HIGH sensitivity) certificate FM3260 approval (pending*). White Housing
FSL100-IR4	Triple IR flame detector Suitable for ATEX zone 2/22; FM 3611 Class 1,2&3 Div2 EN54-10 (HIGH sensitivity) certificate (pending*) FM3260 approval (pending*). Red Housing
FSL100-IR3-W	Triple IR flame detector Suitable for ATEX zone 2/22; FM 3611 Class 1,2&3 Div2 EN54-10 (HIGH sensitivity) certificate (pending*) FM3260 approval (pending*). White Housing

Accessories

Part #	Description
FSL100-SM22	FSL100 Optional swivel mount



FS20X Flame Detector

Part of the FSX family of electro-optical flame detectors, the FS20X UV/IR2/VIS represents a quantum leap in integrating infrared and ultraviolet sensing technologies.

Key Features & Benefits

- Detects hydrocarbon and non-hydrocarbon fuel fires in all environmental conditions
- Range greater than 200 feet to 1 sq. ft. heptane fire
- Arc welding immunity

Quick Specs

- UV / IR2 / VIS Flame Detection Technology
- Field of view: 90° full 100% core of vision, ± 45° from on axis
- Operating voltage: 24 VDC nominal (18-32 VDC) - regulated
- Sensitivity: Very high, high, medium and low - switch selectable
- 4 to 20mA and Relay outputs.
- IECEx Certified Ex d for use in Gas Zone 1 Hazardous Areas
- EN54-10 Performance Approval

Part #	Description
FS24X-911-23-6	DUAL IR/UV FLAME DETECTOR Copper-Free Aluminum Encl. with (2) M25 entries, FM, cFM, ATEX, IECEx for Class I, Zone 1. With EN54-10 certification
FS20X-211-24-6	DUAL IR/UV FLAME DETECTOR Stainless Steel Encl. with (2) M25 entries, FM, cFM, ATEX, IECEx for Class I, Zone 1. With EN54-10 certification

Accessories

Part #	Description
SM4	Stainless Steel Swivel mounting assembly for FS24X, SS4, SS2 detectors
SH-001	Sunshield for FS20X & FS24X Detectors, 316 Stainless Steel
TL-2055	IR Test lamp for testing FS20X & FS24X detectors, explosion proof version. Incl universal charger
TL-1055	IR Test lamp for testing FS20X & FS24X detectors, non-explosion proof version. Incl universal charger
PSU-12	Universal charger for Fire Sentry Test Lamps and Interface Kits. For 110-240 VAC with international plugs



FS24X Flame Detector

Sophisticated software algorithms and dual micro processors ensure that the FS24X IR3/VIS flame detector has the highest fire detection performance combined with optimal false alarm rejection.

Key Features & Benefits

- Detects hydrocarbon and non-hydrocarbon fuel fires in all environmental conditions
- User selection outputs
- Optimal false alarm rejection

Quick Specs

- IR3 / VIS Flame Detection Technology
- Sensitivity: Very high, high, medium and low - switch selectable
- Operating voltage: 24 VDC nominal (18-32 VDC) - regulated
- Humidity range: 5 to 98% relative humidity, non-condensing
- 4 to 20mA and Relay outputs.
- IECEx Certified Ex d for use in Gas Zone 1 Hazardous Areas
- EN54-10 Performance Approval

Part #	Description
FS24X-911-23-6	QuadBand™ IR3+ Detector, Copper-Free Aluminum Encl., (2) M25 entries FM, cFM, IECEx, ATEX and EN54-10 approved
FS24X-911-24-6	QuadBand™ IR3+ Detector, 316 Stainless Steel Encl. (2) M25 entries FM, cFM, IECEx, ATEX and EN54-10 approved

Accessories

Part #	Description
M4	Stainless Steel Swivel mounting assembly for FS24X, SS4, SS2 detectors
H-001	Sunshield for FS20X & FS24X Detectors, 316 Stainless Steel
TL-2055	IR Test lamp for testing FS20X & FS24X detectors, explosion proof version. Incl universal charger
TL-1055	IR Test lamp for testing FS20X & FS24X detectors, non-explosion proof version. Incl universal charger

XCD GAS DETECTORS



Sensepoint XCD gas detectors

The Sensepoint XCD range of fixed gas detectors is used to monitor areas where flammable, oxygen deficiency and toxic gasses may pose a hazard to working environments. XCD is designed for a broad spectrum of industrial applications with a comprehensive choice of features and benefits in a cost effective package.

- AS3786 approved
- Includes field replaceable sensor
- Built in sounder
- N/A and N/C Alarm contacts
- Interconnect up to 24 units

Certified to IEC:-

- II 2G Ex d-IIC t
- Ex d IIC T4 Gb, T6(Ta -40oC to +65oC)
- Ex tb IIIC T85oC Db IP66

Certified to ATEX:-

- Ex d IIC T4 GD T6(Ta -40oC to +65oC)
- Ex tb IIIC T85oC Db IP66

Part #	Description
SPXCDALMFX	XCD Flammable CAT, 0-100%LEL (20,0 to 100.0%LEL) with LM25 Aluminium Alloy, M20 Entry
SPXCDASMFX	XCD Flammable CAT 0-100%LEL (20,0 to 100.0%LEL) with SS316, M20 Entry
SPXCDALMRX	XCD CH4(Methane) IR, 0-100%LEL (20,0 to 100.0%LEL) with LM25 Aluminium Alloy, M20 Entry
SPXCDASMRX	XCD CH4(Methane) IR 0-100%LEL (20,0 to 100.0%LEL) with SS316, M20 Entry
SPXCDALMO1	XCD Oxygen, 25.0%/Vol with Aluminium Alloy, M20 Entry
SPXCDASMO1	XCD Oxygen 25.0%/Vol with SS316, M20 Entry
SPXCDALMHX	XCD Hydrogen Sulphide 0-50ppm (10.0 to 100.0ppm) with LM25 Aluminium Alloy, M20 Entry
SPXCDASMHX	XCD Hydrogen Sulphide 0-50ppm (10.0 to 100.0ppm) with SS316, M20 Entry
SPXCDALMCX	XCD Carbon Monoxide 0-500ppm (100 to 1000ppm) with Aluminium Alloy, M20 Entry
SPXCDASMCX	XCD Carbon Monoxide 0-500ppm (100 to 1000ppm) with SS316, M20 Entry
SPXCDALMG1	XCD Hydrogen0-1000ppm with Aluminium Alloy, M20 Entry
SPXCDASMG1	ATEX/IECEX & AP approved SP XCD Hydrogen 0-1000ppm with SS316, M20 Entry
SPXCDALMB1	XCD CO2(Carbon Dioxide) IR 0-2%VOL with Aluminium Alloy, M20 Entry
SPXCDASMB1	ATEX/IECEX & AP approved SP XCD CO2 (Carbon Dioxide) IR 0-2%VOL with SS316, M20



Unipoint Gas Detector Controllers

DIN rail mounted controller for Sensepoint XCD gas detectors.

- 2 or 3 wire 4-20mA inputs
- 3 x alarm, 1 x fault relays

Part #	Description
2306B2000	UniPoint Controller (mV input Version) DIN rail mounting
2306B1000	UniPoint Controller (mA input Version) DIN rail mounting

FIBRE OPTIC LINEAR HEAT DETECTION



AP Sensing DTS Fibre Optic Linear Heat Detection

AP Sensing's fiber optic, linear heat detection systems leave no area unmonitored and display the real-time temperature and heat transfer of the entire area at once. Based on the quantum mechanical RAMAN-effect and a patented code-correlation measurement technique AP Sensing's "Linear Heat Series" measures an accurate temperature profile along the optical fiber over several thousand meters with measurements every 10 seconds. With an extremely high level of integration and unique optical assembly technology, AP Sensing offers you full protection combined with worry free permanent operation.

Enabling fast, reliable and cost-effective sensing through highly integrated optical measurement systems. AP Sensing DTS will provide temperature monitoring for;

- Fire Detection
- Power cable monitoring
- Oil & Gas downhole performance monitoring
- Pipeline leakage detection

Suitable applications include large distributed manufacturing facilities, refineries, power plants, silos, warehouses, cold stores, conveyor belt systems, cable trays and tunnels

- Suitable for Harsh and Hazardous areas
- Continuous temperature monitoring
- Ability to integrate into management systems

GENERAL PURPOSE LINEAR HEAT DETECTION



System Sensor Linear Heat Detection

System Sensor's linear heat detection system is a fixed temperature device consisting of the conductor cable and an EOL box.

When heated to the rated temperature, the heat sensitive polymer insulation melts allowing the inner conductors to contact each other initiating an alarm state.

This type of detection is widely used in industrial, petrochemical, refinery and power generation plants.

- Continuous sensitivity along the length of cable
- Easy to install, test and splice

FPA Equipment Listing #:
NI/ 209, 210, 211, 212

68 deg C

Part #	Description
SS-LD-68-155-100	Linear Heat Cable 68deg, 100m roll
SS-LD-68-155-200	Linear Heat Cable 68deg, 200m roll
SS-LD-68-155-500	Linear Heat Cable 68deg, 500m roll
SS-LD-68-155-1000	Linear Heat Cable 68deg, 1000m roll

78 deg C

Part #	Description
SS-LD-78-172-100	Linear Heat Cable 78deg, 100m roll
SS-LD-78-172(200M)	Linear Heat Cable 78deg, 200m roll
SS-LD-78-172-500	Linear Heat Cable 78deg, 500m roll
SS-LD-78-172-1000	Linear Heat Cable 78deg, 1000m roll

88 deg C

Part #	Description
SS-LD-88-190-100	Linear Heat Cable 88deg, 100m roll
SS-LD-88-190-200	Linear Heat Cable 88deg, 200m roll
SS-LD-88-190-500	Linear Heat Cable 88deg, 500m roll
SS-LD-88-190-1000	Linear Heat Cable 88deg, 1000m roll

105 deg C

Part #	Description
SS-LD-105-220-100	Linear Heat Cable 105deg, 100m roll
SS-LD-105-220-200	Linear Heat Cable 105deg, 200m roll
SS-LD-105-220-500	Linear Heat Cable 105deg, 500m roll
SS-LD-105-220-1000	Linear Heat Cable 105deg, 1000m roll

Accessories

Part #	Description
8687/EOL	47k End of line box
MB	LHD Junction Box to suit linear heat cable

HARSH AREA LINEAR HEAT DETECTION



System Sensor Linear Heat Detection with Nylon coating

System Sensor's linear heat detection system is a fixed temperature device consisting of the conductor cable and an EOL box.

When heated to the rated temperature, the heat sensitive polymer insulation melts allowing the inner conductors to contact each other initiating an alarm state.

This type of detection is widely used in industrial, petrochemical, refinery and power generation plants.

- Continuous sensitivity along the length of cable
- Easy to install, test and splice
- Chemical resistant
- UV resistant

FPA Equipment Listing #:
NI/ 213, 314, 215, 216

68 deg C

Part #	Description
SS-LDN-68-155-100	Linear Heat Cable 68deg, with nylon coating, 100m roll
SS-LDN-68-155-200	Linear Heat Cable 68deg, with nylon coating, 200m roll
SS-LDN-68-155-500	Linear Heat Cable 68deg, with nylon coating, 500m roll
SS-LDN-68-155-1000	Linear Heat Cable 68deg, with nylon coating, 1000m

78 deg C

Part #	Description
SS-LDN-78-172-100	Linear Heat Cable 78deg, with nylon coating, 100m roll
SS-LDN-78-172-200	Linear Heat Cable 78deg, with nylon coating, 200m roll
SS-LDN-78-172-500	Linear Heat Cable 78deg, with nylon coating, 500m roll
SS-LDN-78-172-1000	Linear Heat Cable 78deg, with nylon coating, 1000m

88 deg C

Part #	Description
SS-LDN-88-190-100	Linear Heat Cable 88deg, with nylon coating, 100m roll
SS-LDN-88-190-200	Linear Heat Cable 88deg, with nylon coating, 200m roll
SS-LDN-88-190-500	Linear Heat Cable 88deg, with nylon coating, 500m roll
SS-LDN-88-190-1000	Linear Heat Cable 88deg, with nylon coating, 1000m

105 deg C

Part #	Description
SS-LDN-105-220-100	Linear Heat Cable 105deg, with nylon coating, 100m
SS-LDN-105-220-200	Linear Heat Cable 105deg, with nylon coating, 200m
SS-LDN-105-220-500	Linear Heat Cable 105deg, with nylon coating, 500m
SS-LDN-105-220-1000	LDN-105-220(1000m) Linear Heat Cable 105deg, with nylon coating, 1000m

Accessories

Part #	Description
8687/EOL	47k End of line box
MB	LHD Junction Box to suit linear heat cable

VESDA DETECTORS

VESDA-E VEU



The VEU series of aspirating smoke detectors are the premium detector of the VESDA-E range. A range of revolutionary new features provide unsurpassed detection performance, flexibility, field programmability, connectivity and reduced total cost of ownership.

- Ultra-wide sensitivity range; 15 times greater than VESDA VLP
- Provision for more sampling holes provide an increased coverage in high airflow applications by at least 40%
- Considerably longer linear pipe runs and extended branched pipe network configurations cater perfectly to applications with higher ceilings providing an increased coverage by up to 80%
- Convenient detector mounting for ease of service and maintenance

Part #	Description
VEU-A00	VESDA-E VEU with LED display
VEU-A10	VESDA-E VEU with 3.5" Display

FPA Equipment Listing#: VS/ 337, 338

Intelligent VESDA-E VEP



Intelligent VESDA-E VEP aspirating smoke detectors are seamlessly integrated on the SLC loop with NOTIFIER fire alarm control panels for a complete very early warning fire system. It brings the latest and most advanced detection technology forming the new Aspirating Smoke Detection (ASD) benchmark. Intelligent VEP is built on the new Flair technology - a revolutionary detection chamber that uses direct imaging of the sampled particles via a CMOS image combined with multiple photo-diodes. The Flair detection chamber in VEP provides very early warning smoke detection, fewer nuisance alarms, higher stability and increased longevity to apply in wide range of applications. VEP delivers a range of revolutionary features that provide user value such as longer pipe runs, out-of-box operation, field replaceable components, WiFi connectivity, 3.5" touch screen & remote monitoring via iVESDA. It is backward compatible with the world's number one ASD, VLP allowing significant upgrade opportunities.

Features & Benefits

- Seamless integration with the SLC loop of NOTIFIER fire alarm control panels
- One and four pipe models for different applications
- Alarm and trouble status reporting at the fire alarm control panel without using any additional hardware
- FLAIR detection technology delivers reliable very early warning smoke detection
- Multi-stage filtration
- Intuitive LCD user interface
- Airflow monitoring at each port
- Referencing to accommodate external environmental conditions to minimize nuisance alarms
- Backwards compatible with VESDA VLP
- Remote monitoring with iVESDA mobile app
- Configuration through VESDA VSC application

Part #	Description
VEP-A00-1P-NTF	Intelligent VEP single pipe, up to 1000 sq. m through one pipe
VEP-A00-P-NTF	
VEP-A10-P-NTF	Intelligent VEP four pipes, up to 2,000 sq. m through four pipes

VESDA DETECTORS

VESDA-E VEP



The VESDA-E VEP series of smoke detectors bring the latest and most advanced detection technology to provide very early warning and the best nuisance alarm rejection to a wide range of applications. Built on the Flair detection technology and years of application experience, VEP detectors achieve consistent performance over their lifetime via absolute calibration. In addition, the VEP delivers a range of revolutionary features that provide user value.

- One and four pipe models for different applications
- Flair detection technology delivers reliable very early warning in a wide range of environments with minimal nuisance alarms
- Multi stage filtration and optical protection with clean air barriers ensures lifetime detection performance
- Four alarm levels and a wide sensitivity range deliver optimum protection for the widest range of applications
- Intuitive LCD icon display provides instant status information for immediate response

Part #	Description
VEP-A00-1P	VESDA-E VEP with LEDs, Plastic Enc.
VEP-A00-4P	VESDA-E VEP with LEDs, Plastic Enc.
VEP-A10-4P	VESDA-E VEP with 3.5"Disp, Plastic Enc.

FPA Equipment Listing#: VS/ 339, 340

VESDA Laser FOCUS



- Single Pipe
- Single Zone
- Instant Fault Finder™
- AutoLearn™ Smoke
- AutoLearn™ Flow

FPA Equipment Listing#: TBC

Part #	Description
VLF-250	Relays Only
VLF-500	Relays Only
VIC-020	Multi-function Card – 2 x relays, 1 x input
VIC-030	Multi-function Card – 3 x relays, 1 x input

VESDA Laser COMPACT



- Single Pipe
- Single Zone
- AutoLearn™ Smoke

FPA Equipment Listing#: VS/307, 308, 304

Part #	Description
VLC-500	Relays Only
VLC-505	VESDAnet Version
VLX-100	VLC in EEX Housing inc flame arrestors
VLC-505-EX	VESDA Laser Compact (VN) Exn Zone 2 - 800m2



VESDA Laser PLUS

- Four Pipes
- One Zone
- AutoLearn™ Smoke

FPA Equipment Listing#: VS/309

Part #	Description
VLP-002	2 x Blank plates & Display
VLP-012	1 Blank plate & Display & Programmer
VLP-400	with Fire 1 & OK LED's fitted



VESDA Laser SCANNER with 7 Relay Termination Card

- Four Pipes
- Four Zones
- AutoLearn™ Smoke

FPA Equipment Listing#: VS/310

Part #	Description
VLS-204	Vesda FD7 Scanner, 2x Blank, Display, 7 Relays fitted
VLS-210	Vesda FD7 Scanner, 2x Blank, Programmer, 7 Relays fitted
VLS-214	Vesda FD7 Scanner, 1 Blank plate & Display & Programmer
VLS-600	Vesda FD7 Scanner, Blank with FIRE 1 and OK LED's plus Blank, Blank and 7 Relays



VESDA Laser SCANNER with 12 Relay Termination Card

- Four Pipes
- Four Zones
- AutoLearn™ Smoke

FPA Equipment Listing#: VS/310

Part #	Description
VLS-700	Vesda FD12 Scanner, Blank with FIRE 1 and OK LED's plus Blank, Blank and 12 Relays
VLS-304	Vesda FD12 Scanner, 2x Blank Display, 12 Relays fitted
VLS-310	Vesda FD12 Scanner, Blank, Programmer, Blank, 12 Relays
VLS-314	Vesda FD12 Scanner, 2x Blank, Display, Programmer, 12 Relays



VESDA Laser INDUSTRIAL

- Four Pipes
- Four Zones
- AutoLearn™ Smoke

FPA Equipment Listing#: VS/333

Part #	Description
VLI-880	VESDA VLI with Relays
VLI-885	VESDA VLI with VesdaNET

VESDA ACCESSORIES



Part #	Description
VHH-100	Hand Held Programmer inc Cable
VHX-1200	HLI – Wall mounted inc VESDANet socket
VHX –0200	HLI – Vesdanet PC Link Windows, used with VSM3
VHX-1420-HFS	Modbus HLI (Honeywell version) to suit Vesda Net gateway


Remote Units

Part #	Description
VRT-000	Remote box with escutcheon only no blank plate
VRT-100	Remote box fitted with programmer
VRT-200	Remote box fitted with VLP display and 7 relays
VRT-300	Remote box fitted with VESDANet socket
VRT-400	Remote box fitted with Scanner display and 7 relays
VRT-700	Remote box fitted with Scanner display no relays
VRT-800	Remote box fitted with Scanner display and 12 relays
VRT-900	Remote box fitted with Blank Plate and 12 Scanner relays
VRT-V00	VLF Remote display with RTC7
VRT-J00	Vesda VLC VN Remote display with RTC7
VRT-Q00	Vesda VLI Remote Display with RTC7
VRT-T00	Vesda VLI Remote Display with RTC0
VIC-010	VESDANet Interface card to suit VESDA
VRT-S07	System Relay Module
VRT-E00	Remote Box fitted with blank plate DRP & 7 relay card Scanner
VRT-K00	Remote Box fitted w/VLC VN Display & relay RTC

ASPIRATED DETECTOR PIPE & FITTINGS



An extensive range of aspirated detector pipe, bends, fittings and sampling points to enable the creation of the required pipe and detection network.

Part #	Description
E700-P	Pipe per 4 meter length
E700-PJ	Pipe Junction fitting
E700-LB	Large Radius Bend (150mm)
E700-SB	Small Radius Bend (90mm)
E700-J	J-Piece pipework
E700-EC	Pipe End Cap
E700-ASP	Aspirated Pipe Clip (HILTI) to suit 25 mm aspirated detector pipe
E700-T	ABS Solid T Pieces
E700-TA	Truck Adaptor for capillary tubes
E700-CSC	Sampling Connector for Capillary tubes
E700-CT	Capillary tube 5.2mm ID 8mm OD per metre
E700-SP	Sampling Point for Capillary tube end
E700-SP-DCL	Sampling point decal (200 per roll)
E700-SPLR	Sampling point label RED (ea)
E700-HASP	Heat Activated Sampling Point
E700-SRB	Standard base for HASP (use extra CSC)

OSID OPEN AREA DETECTION



OSID Emitters

- Dual frequency beam
- Multiple emitters for power input
- Ball & Socket adjustment
- Laser alignment tool

FPA Equipment Listing #: VS/330, 331, 332

Part #	Description
OSE-SP	OSID Emitter Standard Power/Battery Version
OSE-HP-01	OSID Emitter - High Power, Alkaline battery
OSE-SPW	OSID Emitter Standard Power/24V Wired Version
OSE-HPW	OSID Emitter High Power/24V Wired Version

Accessories

Part #	Description
OSID-EHE	OSID Emitter Environmental Housing
OSID-WG	OSID Wire Cage
OSE-ACF	OSE Anti-Condensation film to suit OSID-EHE (10pk)



OSID Imagers

- CMOS chip imager
- Multiple angle of coverage
- Ball & socket adjustment

FPA Equipment Listing #: VS/327, 328, 329

Part #	Description
OSI-10	OSID Imager 7 degree coverage (min 25m)
OSI-90	OSID Imager 80 degree coverage

Accessories

Part #	Description
OSID-EHI	Imager Environmental Housing to suit OSID, IP66
OSID-WG	Wire Cage to suit OSID
OSEH-ACF	Anti-condensation to suit OSID-EHI (10pk)
OSI-LS	Light shield for OSI-10
OSP-001	OSID FTDI Cable 1.5m
OSP-002	OSID Laser Alignment Too
OSE-RBL	Battery Exchange Unit Lithium exchange unit
SE-RBA	Emmitter Spare Battery Alkaline battery



OSID Installation tools

Part #	Description
OSID-INST	OSID Install Kit

NPS SERIES POWER SUPPLY



NPS Series Stand-Alone Power Supplies

24VDC power supply and battery charger in enclosure. Ideal for use as a remote power supply for external equipment such as VESDA detectors.

- Include display module for indication and battery test
- Includes fault output relays
- Certified to AS4428.5

Part #	Description
NPS-2BB	2.7A power supply in cabinet. Fits 12AH batteries (230mm H x 350mm W x 130mm D) – Oyster Grey
NPS-5BB	5.6A power supply in cabinet. Fits 40AH batteries (350mm H x 440mm W x 225mm D) – Oyster Grey
NPS-11/BBO	NPS-11/BBO 11A PSU Stand-alone PSU in 18U/BBO - ONYX Black (610mm x 443mm x 285mm)



NPS Series Power Supply on Slim line Chassis

Panel mount 24VDC power supply and battery charger.

- Certified to AS4428.5
- Includes fault output relays
- Replaces PS243

Part #	Description
NPS-5S	5.6A Stand-alone Power Supply
NPS-11S	11.7A Stand-alone Power Supply

Accessories

Part #	Description
NPS-DISP	Display kit to suit NPS power supplies, provides status and battery test switch



NPS Series Power Supply on Wide line Chassis

Panel mount 24VDC power supply and battery charger.

- Certified to AS4428.5
- Includes fault output relays
- Replaces PS249

Part #	Description
NPS-5	5.6A Stand-alone Power Supply
NPS-11	11.7A Stand-alone Power Supply

Accessories

Part #	Description
NPS-DISP	Display kit to suit NPS power supplies, provides status and battery test switch

BATTERIES



Panel Batteries

Sealed Lead Acid (SLA) batteries to provide secondary power supply to equipment.

- Approved to AS1603.4

NOTE: 2 x batteries required for 24V system

Part #	Description
PS1265	SLA Battery 7AH - 151mm (L) x 65mm (W) x 101mm (H)
BATT12	SLA Battery 12AH - 151mm (L) x 98mm (W) x 101mm (H)
BATT18	SLA Battery 18AH - 181mm (L) x 77mm (W) x 167mm (H)
BATT22	SLA Battery 22AH - 181mm (L) x 77mm (W) x 167mm (H)
BATT26	SLA Battery 26AH - 175mm (L) x 166mm (W) x 125mm (H)
BATT33	SLA Battery 33AH - 195mm (L) x 130mm (W) x 180mm (H)
BATT40	SLA Battery 40AH - 197mm (L) x 165mm (W) x 170mm (H)
BATT75	SLA Battery 75AH - 258mm (L) x 166mm (W) x 206mm (H)
BATT85	SLA Battery 85AH - 305mm (L) x 168mm (W) x 212mm (H)
BATT100	SLA Battery 100AH - 330mm (L) x 172mm (W) x 221mm (H)
BATT150	SLA Battery 150AH - 485mm (L) x 172mm (W) x 240mm (H)

SOLO TEST KITS



SOLO Smoke Detector Kits

Solo 'Starter Packs' for use in testing smoke detectors only.

Part #	Description
SOLO808	Smoke test 'Starter Pack' (Contains Solo330 and Solo108) no bag included (4m reach)
SOLO809	Smoke test 'Starter Pack' (Contains Solo330 and Solo100) no bag included exc bag (6m reach)
SOLO811	Smoke test and removal kit Contains Solo330, Solo100, Solo200 and Solo610) inc bag (6m reach)



SOLO Smoke & Heat Detector Kits

Solo Detector test kits for use in testing smoke & heat detectors.

Part #	Description
SOLO814	Smoke & Mains Heat detector test and removal kit (Contains Solo330, Solo424, Solo100, Solo200 and Solo610) (6m reach)
SOLO822	Smoke & Cordless Heat detector test and removal kit (Contains Solo330, Solo461, Solo100, Solo200 and Solo610) (6m reach)
SOLO823	Smoke & Cordless Heat detector test and removal kit (Contains Solo330, Solo461, 3x Solo100, Solo200 and Solo610) (9.3m reach)



SOLO Extension Poles

Extension pole to suit all SOLO kits

Part #	Description
SOLO100	4 section telescopic pole (4.5m)
SOLO108	2 section telescopic pole (2.5m)
SOLO101	1 section extension pole (1.13m)



SOLO Tools

Add-on tools for the SOLO kits to add functionality to kits.

Part #	Description
SOLO200	Universal Detector Removal Tool
SOLO330	Aerosol Smoke & CO dispenser
SOLO461	Cordless Heat detector tester (incl. 2x Solo760 Battery Batons & 1x Solo726 Battery Charger)
SOLO424	Heat detector tester 240V
SOLO425	SOLO Extension Cable 5metres
SOLO610	SOLO Protective Carrying / Storage Bag

SOLO AEROSOLS



SOLO Aerosols

A range of aerosols for testing and cleaning a variety of detectors. There are varieties which are suitable for hand and/or dispenser application

Part #	Description
SOLOA5-001	Test Smoke, 250ml can, for hand-held or dispenser use
SOLOA10-001	Test Smoke, 150ml can, for hand-held or dispenser use, Non-Flammable
SOLOC3-001	Test CO, 250ml can, for hand-held or dispenser use



SOLO Smoke Sabre

Smoke Sabre is a functional aerosol smoke check for testing smoke detectors quickly and cost effectively at a flick-of-the-wrist. Low cost and simple, it is a revolutionary tester that eliminates the risk of harmful residue

Part #	Description
SMOKESABRE	Smoke detector tester with retractable 'funnel', 150ml

OTHER DETECTOR TEST & REMOVAL EQUIPMENT



Smoke Pens

Smoke pens are ideal for testing MASD systems and smoke detectors. They may also be used in areas of high airflow to determine airflow direction.

Part #	Description
SMOKEPEN	Smoke Pen and refills – c/w pk of 6 refills
SMOKEPEN-R	Smoke Pen refills (pk of 6)



Test Magnets

Telescopic test magnet to provide alarm test on System Sensor conventional and addressable detectors

Part #	Description
T/MAG	System Sensor telescopic test magnet



System Sensor Detector Removal Tools

Removal tools and accessories designed specifically for the System Sensor and Notifier range of conventional and addressable detectors

Part #	Description
XP-4	Extension poles, 3 x 1.5m poles for XR2(B) kit
XR2B	Removal tool for 100B/800 series detectors



Digital SPL Meter

- Digital readout of the ambient noise level at microphone
- Features low (30-80db) and High (80-130dB) level
- Frequency range 31.5 - 8,000Hz
- Dynamic range 50dB / Accuracy: +/- 1.4dB
- Two built in weighting curves (A & C weighting)
- Supplied with carry case, tripod mounting adaptor and mic wind screen
- requires 1x 9V long life battery (included)
- Dimensions: 252H x 66W x 33D mm

Part #	Description
SPL-METER	Digital SPL Meter 35 to 130dB



Digital Impedance Meter

- Simple user friendly operation
- Suits 70V and 100V up to 10k Watts
- Calculates load in ohms and watts
- 9V battery powered with recharging port
- Compact handheld case
- Includes test leads
- Backlit LCD display
- Dimensions: 117H x 79W x 33D mm.

Part #	Description
IMP-METER	Digital Impedance Meter 9V Batt. LCD Display

MODULE ENCLOSURES



XP Module DGP enclosures

Enclosure for XP multi input/output modules when being mounted remote from the FACP.

- APO grey
- Multiple rear, top and bottom knockout cable entries

Part #	Description
DGP1B	DGP enclosure to mount 2 x XP modules (261mm H x 268mm W x 90mm D)
DGP2B	DGP enclosure to mount 4 x XP modules (431mm H x 268mm W x 90mm D)



Control Panel Enclosures

- Powder coated ONYX Black texture
- Includes blank inner door and gear tray

Part #	Description
CAB18U-BK	18U Cabinet with window door (887 H x 610 W x 285 D) - ONYX Black
CAB18US-BK	18U Cabinet with solid door (887 H x 610 W x 285 D) - ONYX Black
CAB28U-BK	28U Cabinet with window door (1330 H x 610 W x 380 D) - ONYX Black
CAB28US-BK	28U Cabinet with solid door (1330 H x 610 W x 380 D) - ONYX Black
CAB40U-BK	40U Cabinet with window door (1865 x 610 W x 380 D) - ONYX Black
CAB40US-BK	40U Cabinet with solid door (1865 x 610 W x 380 D) - ONYX Black



Battery or Panel Extension Enclosures

- Powder coated ONYX black texture
- Knockouts to suit panel enclosure

Part #	Description
CAB650BB-BK	ONYX Black – Battery box to suit CAB650 and CAB900 (250mm H x 450mm W x 190mm D)
18UBB-BK	ONYX Black – Battery box to suit 18U (443mm H x 610mm W x 285mm D)
28UBB-BK	ONYX Black – Battery box to suit 28U & 40U (443mm H x 610mm W x 380mm D)



Weatherproof Enclosures

- Surface mount outdoor enclosure in red.
- Ideally suited as WIP handset enclosures
 - Thumb turn handle (non locked)

Cabinet Dimensions:
- 300mm H x 200mm W x 150mm D

Part #	Description
WIP-BOX-IP66	Weather proof (IP66) surface mount enclosure

CABINET SURROUNDS



Panel Surrounds

Onyx Black texture panel surrounds when recessing cabinets into walls etc.

- Powder coated Onyx Black texture
- 50mm edging

Part #	Description
CAB650SUR-BK	ONYX Black Flush surround to suit CAB 650
CAB900SUR-BK	ONYX Black Flush surround to suit CAB900
18USUR-BK	ONYX Black Flush surround to suit 18U
28USUR-BK	ONYX Black Flush surround to suit 28U

NOTE: Contact your Notifier systems consultant for alternate (custom) dimensions

MOUNTING CHASSIS & BRACKETS



XP module mounting chassis

The XP module mounting chassis provides a method for simple installation of addressable XP modules into a Notifier or 3rd party FACP or DGP.

Part #	Description
CHS-2	Mounting chassis for up to 2 x XP modules
CHS-4	Mounting chassis for up to 4 x XP modules Designed to allow fitting into CAB650/CAB900
CHS-6	Mounting chassis for up to 6 x XP modules Designed to allow fitting into 18U/28U/40U



Low-Profile mounting chassis

The low-profile mounting chassis range provides a uniform mounting assembly for almost all Notifier panel modules enabling simple installation of upgrade modules.

The chassis is compatible with the following devices;

- LCM & LEM Loop modules
- Relay modules
- DA Series occupant warning system
- + others

Part #	Description
CHS-1L	Mounting chassis to suit 1 x LCM/ DA-BOWS with Cable Tie Mounts
CHS-2L	Mounting chassis to suit 2 x LCM/ DA-BOWS with Cable Tie Mounts
CHS-3L	Mounting chassis to suit 3 x LCM/ DA-BOWS with Cable Tie Mounts
CHS-4L	Mounting chassis to suit 4 x LCM/ DA-BOWS with Cable Tie Mounts



Annunciator Mounting Enclosures

A range of mounting enclosures for a number of annunciators. Available in surface and flush mount versions.

Part #	Description
ABF-1B	Annunciator flush mount box. Mounts 1x annunciator module
ABF-1DB	Annunciator flush mount box with 003 keyed, tinted Perspex door. Mounts 1 x Annunciator
ABF-2DB	Annunciator flush mount box with 003 keyed, tinted Perspex door. Mounts 2 x Annunciators
ABF-2B	Annunciator flush mount box. Mounts 2 x Annunciators or an NCA-2
ABF-4B	Annunciator flush mount box with 003 keyed tinted Perspex door. Mounts 4 x Annunciators
ABS-1B	Annunciator surface box. Mounts 1 x annunciator module. Note: Cannot install LCD-80
ABS-1TB	Annunciator surface mount box with trim. Mounts 1 x Annunciator
ABS-2B	Annunciator surface mount box. Mounts 2 x Annunciators or an NCA-2
ABS-2D	Annunciator surface mount box with 003 keyed tinted Perspex door. Mounts 2 x Annunciators
ABS-4D	Annunciator surface mount box with 003 keyed tinted Perspex door. Mounts 4 x Annunciators

INSTALLATION CABLE



Fire Rated Installation Cable

Twisted 2-hour fire rated installation cable

- AS3103 and ASS008 approved
- Easy to strip and terminate
- Screen versions available

Part #	Description
FR-0.75-2C-250	Fire Rated Cable (250m) 2-core x 0.75mm ²
FR-0.75-2C-500	Fire Rated Cable (500m) 2-core x 0.75mm ²
FR-0.75-2CS-250	Fire Rated Cable (250m) 2-core x 0.75mm ² , screened
FR-0.75-2CS-500	Fire Rated Cable (500m) 2-core x 0.75mm ² , screened
FR-1.00-2C-250	Fire Rated Cable (250m) 2-core x 1.00mm ²
FR-1.00-2C-500	Fire Rated Cable (500m) 2-core x 1.00mm ²
FR-1.50-2C-250	Fire Rated Cable (250m) 2-core x 1.50mm ²
FR-1.50-2C-500	Fire Rated Cable (500m) 2-core x 1.50mm ²
FR-1.50-2CS-250	Fire Rated Cable (250m) 2-core x 1.5mm ² , screened
FR-1.50-2CS-500	Fire Rated Cable (500m) 2-core x 1.5mm ² , screened
FR-1.50-2CW-500	Fire Rated Cable (500m) 2-core x 1.50mm ² , white stripe
FR-1.50-4C-250	Fire Rated Cable (250m) 4-core x 1.50mm ²
FR-2.50-2C-250	Fire Rated Cable (250m) 2-core x 2.5mm ²
FR-2.50-2C-500	Fire Rated Cable (500m) 2-core x 2.50mm ²

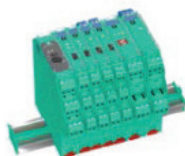


Red TPS Installation Cable

- Easy to strip and terminate
- Twisted & flat versions available

Part #	Description
TPS-0.75-2C-200	TPS Flat Cable (200m) 2-core x 0.75mm ²
TPS-0.75-2C-500	TPS Flat Cable (500m) 2-core x 0.75mm ²
TPS-1.00-2CW-200	TPS Flat Cable (200m) 2-core x 1.00mm ² , white stripe
TPS-1.00-2CW-500	TPS Flat Cable (500m) 2-core x 1.00mm ² , white stripe
TPS-1.5-2C-200	TPS Flat Cable (200m) 2-core x 1.5mm ²
TPS-1.50-2C-500	TPS-Flat Cable (500m) 2-core x 1.50mm ²
TPS-1.50-2CW-200	TPS Flat Cable (200m) 2-core x 1.50mm ² , white stripe
TPS-1.50-2CW-500	TPS Flat Cable (500m) 2-core x 1.50mm ² , white stripe
TPS-1.50-2CT-200	TPS Twisted Cable (200m) 2-core x 1.50mm ² , twisted
TPS-1.50-2CT-500	TPS Twisted Cable (500m) 2-core x 1.50mm ² , twisted
TPS-1.50-2CTS-200	200 TPS Twisted Screened cable (200m) 2-core x 1.50mm ² , twisted & screened
TPS-1.50-2CTS-500	TPS Twisted Screened cable (500m) 2-core x 1.50mm ² , twisted & screened

INTRINSICALLY SAFE BARRIERS & ISOLATORS



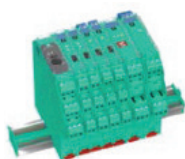
1-chan. Isolation Barrier for use with IS conventional detectors

Intrinsically safe interface for conventional detection circuits.

- 1-channel isolated barrier
- DC supply (loop powered)
- SMART fire alarm input
- Current output 0 mA ... 40 mA

Group, category, type of protection: Ex II (1)GD, I (M1)
[Ex ia Ga] IIC, [Ex ia Da] IIIC, [Ex ia Ma]
I (-20 °C ≤ Tamb ≤ 60 °C) [circuit(s) in zone 0/1/2]

Part #	Description
KFD0-CS-EX1.56	1-chan. Isol. Barrier for use with IS conventional detectors



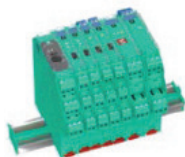
1-chan. Zener Barrier for use with IS sounders & strobes

Intrinsically safe interface for notification devices such as sounders and beacons.

- 1-channel
- DC version, positive polarity
- Working voltage 26.5 V at 10 µA
- Series resistance max. 327 Ω
- Fuse rating 50mA
- DIN rail mounting

Group, category, type of protection: Ex II (1)GD, I (M1)
[Ex ia Ga] IIC, [Ex ia Da] IIIC, [Ex ia Ma]
I (-20 °C ≤ Tamb ≤ 60 °C) [circuit(s) in zone 0/1/2]

Part #	Description
Z728	1-chan. Zener Barrier for use with IS sounders & strobes



1-chan. Isolation Barrier for use with IS addressable detectors

Intrinsically safe interface for addressable devices and to be used with the IMX-1E translator module.

- 1-channel isolated barrier
- 24 V DC supply (loop powered)
- SMART fire alarm input
- Current input 1 mA ... 20 mA

Group, category, type of protection: Ex II (1)G [Ex ia Ga]
IIC, Ex II (1)D [Ex ia Da] IIIC, Ex I (M1) [Ex ia Ma] I (-20 °C ≤ Tamb ≤ 60 °C)

Part #	Description
KFD0-CS-EX1.54-Y2	1-chan. Isol. Barrier for use with IS addressable detectors

See page 13 for Addressable I.S detectors and translator module



DX070 Enclosure for intrinsically safe barriers

Required to provide mechanical protection for barriers and isolators

Part #	Description
DX070	Enclosure for IS barriers/isolators

SURGE SUPPRESSION MODULES



Surge Suppression Modules

Surge suppression modules will reduce the risk of potential high voltage spikes on power and communication lines.

Part #	Description
SURGE-MAINS	Group, category, type of protection: Ex II (1)GD, I (M1) [Ex ia Ga] IIC, [Ex ia Da] IIIC, [Ex ia Ma] I (-20 °C ≤ Tamb ≤ 60 °C) [circuit(s) in zone 0/1/2] Surge suppression and line filter for 240V mains (10A)
SURGE-AZF	Group, category, type of protection: Ex II (1)G [Ex ia Ga] IIC, Ex II (1) D [Ex ia Da] IIIC, Ex I (M1) [Ex ia Ma] I (-20 °C ≤ Tamb ≤ 60 °C) Surge suppression for 4 x AZF (conventional zone) circuits
SURGE-SLC	Surge Suppression for SLC loop. Protect both A & B channels
SURGE-RS485	Surge suppression for RS485 communications.
SURGE-24V	Channel Surge suppression for 24V circuits. Can be used for ring power, ancillary power and NACs.

GENERIC

IFS-2008	Gas release termination board
IFS-1125C	Supervision module for monitored outputs for connection to relays
PDM	Power Distribution Module. 8 x fused outputs, Door Holder Output
WS-FIRE	Brigade "FIRE" label 150mm x 60mm, Red on White
BATT3	SWIFT wireless devices replacement batteries - 3V / CR123A batteries
452	003 Key Lock inc 2 x keys

POWER SUPPLIES

PS24X-DISP	Remote display kit for PS24x power supplies
PBC-70	2.6 Amp 24V power supply (non-battery backed)
PBC-150	5.6 Amp 24V power supply (non-battery backed)
SP-320	11.7 Amp 24V power supply (non-battery backed)
NPS-DISP	Display kit for NPS power supplies, provides indication and battery test switch

IFS-2600 SERIES FACP

2600/KEY	Keypad membrane for IFS-2600
PSI	Power Supply Interface to suit IFS-2600 + AFP-2800 + BC-200
IFS-816	16 zone indication board kit for 2600

CFP-16 SERIES FACP

CFP-16/CPU	CPU/Termination Board Replacement for CFP-16
CFP-16/KEY	Keypad (AUS) & display for CFP-16
NPS-11CHS	NPS-11 Replacement to suit CFP-16/AFP-3030
NPS-5CHS	NPS-5 Replacement to suit CFP-16/AFP-3030

PRINTER EQUIPMENT

PRN-80	Panel Printer Kit - includes Thermal Printer, DC-DC converter and metalwork
--------	---

AM-1010/ AFP-2020 SERIES FACP

LIB-400	Dual loop interface board; supports up to 396 intelligent devices
LIB-200A	Loop interface board; supports up to 198 intelligent devices
SIB-2048A	Serial interface board for M2.7+ systems;
LCD-80	80 character LCD remote mimic for 1010/2020
MIB-W	1010/2020/INA Twisted pair wire media interface board
DIA-2020AUS	Replacement backlit DIA for the 2020
CPU2-1010	Replacement CPU board for the 1010
CPU-2020	Replacement CPU board for the 2020



AFP-2800 SERIES FACP

LCM-320	Loop Control Module Used as loops 1, 3, 5, 7 or 9
LEM-320	Loop Expander Module Used as loops 2, 4, 6, 8 or 10
KEYPAD/00	Keypad Membrane To suit AFP-2800 Keypad
AFP-2802/CPU	CPU and LCD complete for AFP-2802
AFP-2800/CPU	CPU and LCD complete for AFP-2800
PSI	Power Supply Interface to suit IFS-2600 + AFP-2800
LCD-80/00	80 character LCD remote mimic panel to suit AFP-2800
SCS-8AU/00	Smoke Control Station with 8 x 3 position switches with 3 x LEDs per switch - e.g. AS1668 fan controls
SCS-8L/00	Custom mimic module 24 x inputs + 24 x outputs
ACM-16ATAUS/00	Annunciator Module with 16 Switches, 16 Red/Amber LED's
ACM-32AAUS/00	Annunciator Module with 32 Red LED. E.g. Flow switches, monitors etc.
LDM-32/00	LED Driver card for Graphic Mimic - to suit BC-200/AFP-2800
LDM-R32	Lamp driver relay kit 32 Relays (requires 10460 LDM-32). E.g. Plant & EWIS Interfaces.
NCM-SMOF	Network Control Module - Single mode optical fibre
LIM	Loop Interface Module (IFS-725I), to suit AFP-2800
NIM	Network Interface Module (IFS-725I)
FIM	Termination Board, to suit AFP-2800
NCM-W	Network Control Module (Wire)
NCM-F	Network Control Module - Multi-mode optical fibre
RPT-WF	Not-Fire-Net network wire to multi-mode fibre repeater
RPT-W	Noti-Fire-Net network wire to wire repeater
HS-NCM-W	Network Control Module - Wire
HS-NCM-MF	Network Control Module - Multi-mode optical fibre
HS-NCM-SF	Network Control Module - Single mode optical fibre
HS-NCM-WMF	Network Control Module - Wire/Multi-Mode optical fibre
HS-NCM-WSF	Network Control Module - Wire/ Single-mode optical fibre
HS-NCM-MFSF	Network Control Module - Multi-Mode/ Single mode optical fibre
USB	USB to RS232 Converter, to suit AFP-2800, VESDA. Win7 Compatible

AFP-3030 SERIES PANEL

CPU2-3030AUPLUS	CPU2-3030AU CPU Assembly To Suit AFP-3030 (NZ)
NCA-2AUPLUS	NCA-2(AU) CPU
DISP-3030NZ	Display module for AFP-3030NZ
USB3	USB3 - USB lead 3m, to suit AFP-3030/NCA-2

SOLO TEST EQUIPMENT

SOLO720	SOLO Replacement Battery Baton, for use with the SOLO461 Heat Detector Tester
SOLO725	SOLO BATTERY FAST CHARGER
SOLOSPARE1002	SOLO Plastic caps for SOLO200
SOLOSPARE1005	SOLO Silicon membrane 330/461
SOLOSPARE1028	SOLO Aerosol retaining cup

I-2000 EWIS

CB-MIC	CB-style Balanced EWIS Microphone, supplied with mounting clip to suit 10W/25W/50W Evac modules
FA1922	FAB, 1920-5, I2000 Paging Console, Keyboard Overlay
FA2027	I2000 QCEP-M3 Membrane K/Board 2 Zone & All Group 3 WIP for use on 21U cabinets
FA2029	I2000 Membrane Keyboard 8 Zones, 3 WIP/Zone for use on 21U cabinets
FP0732	30 zone paging console to suit I-2000
FP1067	I2000 4U Module blank upgrade kit
FP1068	I2000 FIP/BGA Master upgrade kit
FP1069	I2000 FIP/BGA Extender upgrade kit
FP1070	I2000 Strobe Master upgrade kit
FP1071	I2000 SPIF module upgrade kit
FP1072	I2000 ECM module + looms (no software) upgrade kit
FP1073	I2000 WIP Slave + Term.board upgrade kit
FP1074	I2000 100W Amp + transformer upgrade kit
FP1075	I2000 2x 50W Amp + Transformer upgrade kit
FP1076	I2000 2x 25W Amp + transformer upgrade kit
FP1077	I2000 4x 10W Amp + transformer upgrade kit
FP1078	I2000 4x 25W Amp + transformer upgrade kit
FP1079	I2000 200W Amp + transformer upgrade kit
FP1080	I2000 5 module hinge upgrade kit
FP1081	I2000 6 module hinge upgrade kit
FP1082	I2000 7 module hinge upgrade kit
FP1083	I2000 8Z display extender + looms upgrade kit
IC0391	60 Sec Analogue recorder IC to suit EMUX for I-2000
KT0519	200W Amplifier Kit - 2 x AMP cards + wiring loom for I-2000
ME0200	I2000 Cardframe, 699-038
ME0200	Card cage for I-2000
ME0205	Panel 8 Zone Display Extender / 3 WIP Display Keyboard Assembly for use on I2000 (Metalwork, mylar and PCB)
ME0207	Control Panel ECP, 3 WIP/ Zone 699-093 for use on I2000 (Metalwork, mylar and PCB)
ME0213	I2000 Microphone DIN plug for old ECP9002
ME0290	Microphone CB-type to suit I-2000
ME0297	Auto/Manual/Isolate Keyswitch for I2000
ME0330	PS2406 6 Amp 24 Volt Power Supply - Brick
ME0331	PS2406 6 Amp 24 Volt Power Supply 2U Rack Mount
ME0333	PS2412 12 Amp 24Volt Power Supply 2U Rack Mount
ME0381	MECP 2 Zone Mylar and Metalwork only, for I-2000
ME0382	8 Zone Mylar and Metalwork only, for I-2000

I-2000 EWIS (Continued)

PA0484	Paging Console PCB Assy for I2000, 1929-1
PA0642	WIP Slave, OV Ref Inputs for WIP52000
PA0643	Evac Control Panel 3WIP/Zone PCB Assy for I2000, ECP9702-2
PA0646	Audio Line Isolation Module for I2000, (DIN) ALIN9706
PA0647	200w Amplifier Card Module for I2000, AMP2009 (Single Amp)
PA0648	200w Transformer Module for I2000, TRAN200
PA0649	Secondary Panel Interface Module for I2000, (DIN) PCB Assy SPIF9709
PA0650	4x10W / 2x25W Amplifier Card for I2000, EAMP9001
PA0651	FIP/BGA Master PCB Assy for I2000, (DIN) FIB8910
PA0652	FIP/BGA Extension PCB Assy for I2000 (DIN) FIPE9004
PA0657	Signal Interface PCB Assy for I2000, (DIN) SE9004
PA0660	Backplane PCB Assy for I2000, BPLN9001
PA0690	2x50W / 1 x 100W Amplifier Card Module PCB Assy for I2000, HAMP9308
PA0691	2x50W Transformer Card Module PCB Assy for I2000, HTRN9308-1
PA0692	1x100W Transformer Card Module PCB Assy for I2000, HTRN9308-2
PA0696	1x100W Transformer Card B495Module Music Switch for I2000, HTMS9408-2
PA0697	Strobe Termination Board PCB Assy for I2000, STRM9502, 8 Strobe/ 16 Relay Module (DIN)
PA0698	Evac Communication Module, PCB Assy for I2000, (DIN) ECM9603
PA0758	Multiplexer 16 sec Speech EMUX9601 for I2000, (replaces PA0654)
PA0759	Multiplexer 60 sec Speech for I2000, EMUX9601
PA0792	4 x 25W Transformer Module for I2000, c/w Relays, TRAN9705-2
PA0794	2 x 25W Transformer Module for I2000, c/w Relays, TRAN9705-4
PA0795	4 x 10W Transformer Module without Relays for I2000, TRAN 9706-1
PA0796	4 x 10W Transformer Module for I2000, c/w Relays, TRAN 9706-2
PA0916	WIP Termination PCB Assy for I2000, (common 0V version) DIN WTRM
SU0168	EWIS Gooseneck Microphone and bracket to suit I-2000 paging console, DM-521 B
SU0169	EWIS Paging Microphone with PTT for I2000 Sw PM600D

VESDA

FIL-FOAM	Replace washable filter pads for plastic cont
VSP-000	Blank plate Non-EMC with VESDA logo
VSP-001	Vesda Programmer Module
VSP-002	VLP Display Module Display Module
VSP-003	Vesdanet Socket
VSP-004	Vesda Scanner Display Module
VSP-005	Vesda Filter Assembly to suit VESDA laser plus
VSP-007	Vesda Remote Termination card, no relays
VSP-008	Vesda Remote Termination card with 7 relays
VSP-009	Vesda Scanner Chassis & Complete Manifold Assembly
VSP-012	Vesda Remote Recess mounting kit
VSP-013	Vesda Detector Cover Assembly with EMC shields
VSP-014	Head termination card with 7 relays
VSP-015	Vesda-Spares Detector Aspirator Assembly
VSP-016	Vesda Head termination card with 12 relays
VSP-019	Vesda Filter Cover
VSP-024	Vesda Front cover for VLC-500
VSP-030	Vesda VLI intelligent filter to suit VLI
VSP-031	Vesda VLI secondary filter to suit VLI



VESDA (Continued)

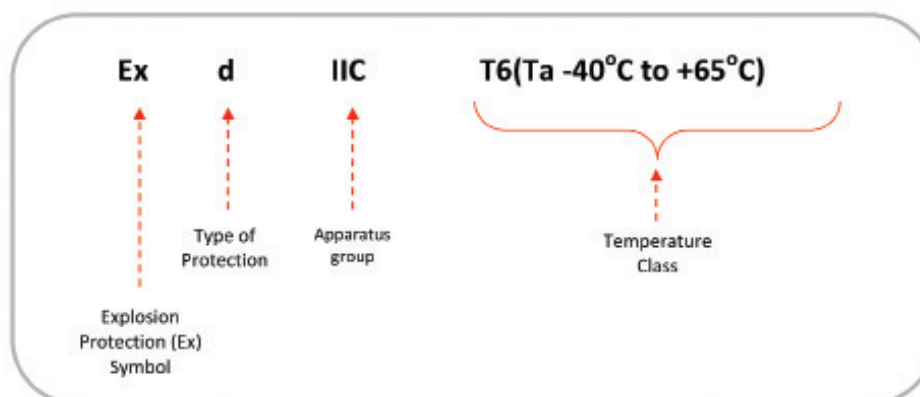
VSP-032	Vesda VLI Replacement Aspirator to suit VLI
VSP-033	Vesda VLI chamber assembly to suit VLI
VSP-034	Vesda VLI VESDAnet Card Spare Part
VSP-036	Vesda VLI US flow manifold Spare
VSP-200	Blank Plate EMC painted, no VESDA logo
VSP-208	Vesda Remote Termination Card with 12 Relays
VSP-300	Blank plate, Non EMC, no vesda logo
VSP-501	Vesda Laser Compact Aspirator spare part only
VSP-502	Vesda Remote Display Compact
VSP-509	VESDALink RS232 9P-9P Cable Cable for VHH-100 Programmer
VSP-511	VESDANET CABLE HD15 M/F Cable for VHH-100 Programmer
VSP-610	Tamper Proof Sampling Point to suit 25mm conduit
VSP-620	Tamper Proof Sampling Point to suit 8mm capillary tube
VSP-702	Remote Display VLF
VSP-710	VLF-02 Spare Front cover with serv. pan. ASIAN Language Set 1
VSP-715	Aspirator for VLF-500, 2 fan module
VSP-722	Aspirator for VLF-250, 1 fan module
VSP-820	F-BO-AFE70-2 -FAAST Purging Unit
VSP-850-G	VESDA In-line filter Grey, 25mm or 1" pipe
VSP-855-20	In-Line Filter (pk20) to suit VSP-850-x
VSP-855-4	In-Line Filter (pk4) to suit VSP-850-x
VSP-860	VSP-860 - Freezer Sampling point to suit aspirated detection
VSP-870	In-line Flow Restrictor Assembly
VSP-871	Flow Restrictor Disc (pack of 10)
VSP-877	Vesda Flush Mount Sampling Point
VSP-890	VESDA VLQ VLQ Surface Mount Kit
VSP-960	Mounting bracket to suit VESDA-E
VSP-962	Filter to suit VESDA-E
VSP-962-20	Filter (20pcs) to suit VESDA-E
VSP-967	VESDA-E VEU-A10 Front Cover 3.5" Display
VSP-980-W	VESDA-E VEA 6mm Sampl.Pt Standard Samp.Point- white
VSP-981-W	VESDA-E VEA 4mm Sampl.Pt Standard Samp.Point- white
VSP-990	VESDA-E VEA 6mm Microbore Tube UL-compliant Plenum-rated (1000 ft)
VSP-991	VESDA-E VEA 4mm Microbore Tube UL-compliant Plenum-rated (500 ft)
VSP-1001	VESDA-E VEA 6mm to 6mm Straight Union (10pack)

OSID

OSP-001	FTDI Cable 1.5m
OSP-002	Laser Alignment Tool
OSE-RBL	Battery Exchange Unit Lithium exchange unit
OSE-RBA	OSE-RBA - Emitter Spare Battery Alkaline battery



IECex Hazardous Area Classification:




Zones

	Continuous Hazard (> 1000hrs/annum)	Intermittent Hazard (> 10 < 1000hrs/annum)	Possible Hazard (< 10 hrs/annum)
EXPLOSIVE GASES	Zone 0	Zone 1	Zone 2
DUST	Zone 20	Zone 21	Zone 22
	In which an explosive gas/dust and air mixture is present continuously or is present for long periods.	In which an explosive gas/dust and air mixture is likely to occur in the normal operation of the plant.	In which an explosive gas/dust and air mixture is not likely to occur in the normal operation.


Type of Protection

Zone	Ex	Type of Protection
0	Ex ia	Intrinsically-Safe
	Ex s	Special (specially certified)
	Ex ma	Encapsulation
1	Any design suitable for Zone 0 plus	
	Ex d	Flameproof
	Ex ib/Ex I/EX ID	Intrinsically-Safe
	Ex p/ EX PD	Pressurized / continuous dilution
	Ex e	Increased safety
	Ex s	Special protection
	Ex m/ Ex MD/ Ex mb	encapsulated
2	Any design suitable for Zone 1 plus	
	Ex n or N	Non sparking (Non-incendive)
	Ex ib	Intrinsically-Safe
	Ex o	Oil immersion
	Ex q	Powder / sand filled

Apparatus Group

Representative Gas	Type of Protection	Ignitability
Acetylene	Group IIC	
Hydrogen	Group IIC	
Ethylene	Group IIB	
Propane	Group IIA	
Methane	Group I	

Temperature Class

Classification	Temperature (Degrees C)	Ignitability
T1	450	
T2	300	
T3	200	
T4	135	
T5	100	
T6	85	

Ingress Protection (IP):

FIRST NUMERAL	IP		SECOND NUMERAL
No Protection	0	0	No Protection
Protection against solid bodies larger than 50mm (e.g accidental contact with the hand)	1	1	Protected against vertically-falling drops of water or condensation
Protection against solid bodies larger than 12.5mm (e.g finger on the hand)	2	2	Protection against drops of water falling at up to 15° from the vertical
Protection against solid bodies larger than 2.5mm (e.g tools, wires)	3	3	Protection against drops of water falling at up to 60° from the vertical
Protection against solid bodies larger than 1 mm (e.g small wires, fine tools)	4	4	Protection against drops of water from all directions
Protection against dust (no harmful deposits)	5	5	Protection against jets of water from all directions
Completely protected against dust	6	6	Completely protected against jets of water of similar force to heavy seas
		7	Protected against to effects of immersion (defined in minutes)

NEMA Enclosure Types to IEC classification:

NEMA Enclosure Type Number	Approximate IP Code
1	IP20
2	IP22
3	IP55
3R	IP24
4	IP66
4X	IP66
6	IP67
12	IP54
13	IP54

Cabinet Paint Codes:

Colour	Dulux Paint Codes
Charcoal Texture	#88531
APO Grey	#32786
Oyster Grey	#36856
Black Texture	#32697



Flame Detector Selection Guide:

Optical Interference Sources		Effects to Sensitivity				
		UV	Single IR	Dual IR (IR ²)	Triple IR (IR ³)	UV/IR ²
Optical Interference Sources	Arc Welding	■	□	○	○	○
	Modulated IR Radiation	○	■	□	□	○
	Electrical Sparks	■	○	○	○	○
	Lightning	■	□	○	○	○
	Radiation (Nuclear)	■	○	○	○	○
	Sunlight	□	■	□	○	○
	Artificial Lighting	□	■	□	○	○
	UV Lamps	■	○	○	○	○
		○ No Effect	□ Some Effect	Sev ■ Effect		
Effects to Sensitivity	Smoke	▲	△	△	△	▲
	Steam	▲	△	△	△	▲
	Water Spray	▲	△	△	△	▲
	Oil Film	▲	△	△	△	▲
	Dust	▲	△	△	△	▲
		△ Minor Reduction	▲ Major Reduction			

Flame Detector Application Guide:

Single IR	Dual IR (IR ²)	Triple IR (IR ³)	UV/IR ²
Low immunity to false sources - Lowest Cost - Fastest Response Time (For Enclosed & Dark Areas)	High Immunity to false sources (Indoor Areas)	Excellent Immunity to false sources (Indoor or Outdoor Areas)	Highest Immunity to false sources (Indoor or Outdoor Areas)
Applications	Applications	Applications	Applications
<ul style="list-style-type: none"> - Agriculture - Bed Fillings - Coal Milling - Dryers - Dust Collection/Filters - Felt Manufacture - Wallpaper Production - Woodworking 	<ul style="list-style-type: none"> - Churches - Coal Handling - Fume Cupboards - Printing - Spray Booths - Textiles - Waste Handling 	<ul style="list-style-type: none"> - Atria - Coal Handling - Nuclear Industry - Pharmaceuticals - Printing - Spray Booths - Storage Tanks - Tunnels - Waste Tips 	<ul style="list-style-type: none"> - Aircraft Hangars - Engine Rooms - Engine Test Facilities - Generators - High Voltage Equip. - Nuclear Industry - Power Plants - Storage Tanks

Gas Detector Application Guide:



Oil & Gas

The oil and gas industry covers a large number of upstream activities from exploration and production of oil and gas to its transportation, storage and refining. The large amount of highly flammable Hydrocarbon gases involved are a serious explosive risk and additionally toxic gases such as Hydrogen Sulphide are often present.

Typical Applications:

- Exploration Drilling Rigs
- Production Platforms
- Onshore oil and gas terminals
- Refineries

Typical Gases:

Flammable:
Hydrocarbon gases

Toxic:
Hydrogen Sulphide,
Carbon Monoxide



Chemical Plants

Probably one of the largest users of gas detection equipment are Chemical Plants. They often use a wide range of both flammable and toxic gases in their manufacturing processes or create them as by-products of the processes.

Typical Applications:

- Raw material storage
- Process areas
- Laboratories
- Pump rows
- Compressor stations
- Loading Areas

Typical Gases:

Flammable:
General Hydrocarbons

Toxic:
Various including
Hydrogen Sulphide,
Hydrogen Fluoride
and Ammonia



Power Stations

Traditionally coal and oil have been used as the main fuel for Power Stations. In Europe and the US most are being converted to natural gas.

Typical Applications:

- Around the boiler pipe work and burners
- In and around turbine packages
- In coal silos and conveyor belts in older coal/oil fired stations

Typical Gases:

Flammable:
Natural Gas, Hydrogen
Toxic:
Carbon Monoxide,
SOx, NOx and Oxygen deficiency



Waste Water Treatment Plants

Waste Water Treatment Plants are a familiar site around many cities and towns. Sewage naturally gives off both Methane and H2S. The 'rotten eggs' smell of H2S can often be noticed as the nose can detect it at less than 0.1 ppm.

Typical Applications:

- Digesters
- Plant sumps
- H2S Scrubbers
- Pumps

Typical Gases:

Flammable:
Methane, Solvent vapours

Toxic:
Hydrogen Sulphide,
Carbon Dioxide,
Chlorine, Sulphur Dioxide,
Ozone.



Boiler Rooms

Boiler Rooms come in all shapes and sizes. Small buildings may have a single boiler whereas larger buildings often have large boiler rooms housing several large boilers.

Typical Applications:

- Flammable gas leaks from the incoming gas main
- Leaks from the boiler and surrounding gas piping
- Carbon Monoxide given off badly maintained boiler.

Typical Gases:

Flammable:
Methane

Toxic:
Carbon Monoxide



Hospitals

Hospitals may use many different flammable and toxic substances, particularly in their laboratories. Additionally, many are very large and have onsite utility supplies and backup power stations.

Typical Applications:

- Laboratories
- Refrigeration plants
- Boiler rooms

Typical Gases:

Flammable:
Methane, Hydrogen

Toxic:
Carbon Monoxide,
Chlorine, Ammonia,
Ethylene oxide and
Oxygen deficiency



Tunnels / Car Parks

Car Tunnels and enclosed Car Parks need to be monitored for the toxic gases from exhaust fumes. Modern tunnels and car parks use this monitoring to control the ventilation fans. Tunnels may also need to be monitored for the build up of natural gas.

Typical Applications:

- Car tunnels
- Underground and enclosed car parks
- Access tunnels
- Ventilation control

Typical Gases:

Flammable:
Methane (natural gas),
LPG, LNG, Petrol Vapour.

Toxic:
Carbon Monoxide,
Nitrogen Dioxide

HONEYWELL LIMITED (ACN 000 646 882) trading as 'Honeywell Security & Fire'
TERMS AND CONDITIONS OF SALE
AUSTRALIA (TBC)

The following terms and conditions apply where Honeywell Limited (ACN 000 646 882) t/a Honeywell Security & Fire ("HSF") supplies goods or services to a customer ("Customer").

1. Definitions

For the purpose of these Conditions and unless the context otherwise requires:
"Australian Consumer Law" means the Australian Consumer Law set out in Schedule 2 of the Competition and Consumer Act 2010 (Cth), as supplemented or amended.
"Conditions" means these Terms and Conditions of Sale.
"Contract" means the contract formed in accordance with clause 2.1, consisting of HSF's proposal (if any), the relevant invoice and these Conditions and where applicable, Special Conditions of Subcontract relating to the Code and Guidelines.
"Equipment" means equipment manufactured by HSF or its affiliates.
"Errors" means the failure of Goods to perform a function as described in the HSF proposal, the HSF functional specification for those Goods, the appropriate HSF user manual or HSF product literature as the case may be.
"Goods" means Equipment or Software.
"GST" means the tax imposed by the A New Tax System (Goods & Services) Act 1999 (Cth) and related imposition Acts of the Commonwealth.
"Index" means the average weekly earnings measure (as per ABS No. 6302, Series No, A594406R [or such other ABS reference as may be substituted for the measure]) or in the event that this Index is discontinued, the Australian Bureau of Statistics index that most reflects the Index's constituents.
"Loss or Damage" includes all types of property, pecuniary or other loss or damage, including consequential loss or damage and loss of profits.
"Non-HSF Goods or Services" means equipment, documentation, product literature, labour, knowledge, service or computer programs in machine readable form that is supplied, manufactured, installed or provided by a person other than HSF.
"Person" includes a corporation.
"Services" means HSF labour or service.
"Software" means computer programs developed by HSF or its affiliates in the form of machine readable instructions and any documentation or product literature relating to those computer programs.
"System" may include HSF equipment and software and Non-HSF Goods or Services.

2. Contract Formation

- 2.1 Subject to clause 2.3, a binding agreement will form between the parties:
- (a) if these Conditions form part of a proposal to Customer, on receipt by HSF of Customer's unconditional acceptance of the proposal, evidenced by Customer's purchase order whether or not the proposal is referenced; or
 - (b) otherwise, on HSF's written acceptance of Customer's purchase order; and the Contract will constitute the entire contract between the parties in connection with the sale of Goods and Services.
- 2.2 Any proposal incorporating these Conditions:
- (a) will not be valid after 30 days of its date, unless otherwise agreed by HSF; and
 - (b) may be varied or withdrawn by HSF at any time prior to unconditional acceptance by Customer.
- 2.3 No modifications or variation of the Contract (including any statement by Customer that Customer's terms will apply) shall bind HSF unless expressly agreed to in writing by an authorised representative of HSF. HSF will not be deemed to have waived these Conditions if it fails to object to provisions submitted by Customer.
- 2.4 These Conditions will prevail in relation to the supply of Goods and Services to the extent of any inconsistency between these Conditions and any other documentation agreed by HSF under clause 2.3.

3. Express Warranty

- 3.1 Subject to these Conditions, HSF hereby expressly warrants that:
- (a) Goods manufactured by HSF in its Baulkham Hills, New South Wales facility shall be free from Errors for thirty six (36) months from date of supply or installation (whichever is the earlier) of the Goods (the Goods Warranty Period). Any Non-HSF Goods sold by HSF, but not manufactured by HSF, will be provided with the same warranty as provided by the original manufacturer; and
 - (b) Services performed by HSF shall be free from Errors for twelve (12) months from the date of performance of the Services (Services Warranty Period).
- 3.2 HSF will if any Errors occur in Goods, during the Goods Warranty Period, at its election, either:
- (a) in the case of Equipment,
 - (i) replace the Equipment or supply equivalent equipment FOB at HSF's facility; or
 - (ii) repair the Equipment; or
 - (iii) pay the cost of replacing the Equipment; and
 - (b) in the case of Software,
 - (i) repair, modify or make good the Software; or
 - (ii) make available to Customer instructions to enable Customer to repair, modify or make good the Software; or

- 3.3 Subject to these Conditions, and only in relation to any Services provided by HSF to a Customer who is not a consumer as defined by the Australian Consumer Law, HSF hereby expressly warrants that for three (3) months from date of provision, the Services shall be free from Errors. HSF will if any Errors occur in Services, during the Services Warranty Period, at its election, either:
- (a) supply the Services again; or
 - (b) pay the cost of having the Services supplied again.
- 3.4 Clauses 3.1, 3.2 and 3.3 will not apply to Errors attributable to:
- (a) Non-HSF Goods or Services;
 - (b) any modification or repair of Goods unless made by HSF or with HSF's prior written approval;
 - (c) negligent use, abuse or misuse of Goods;
 - (d) the use of Goods under environmental, power or operating conditions beyond the limits or constraints specified by HSF;
 - (e) the installation or wiring of any Goods other than in accordance with HSF's instructions;
 - (f) the use of any Goods with any Non-HSF Goods or Services; or
 - (g) wear or burn-out resulting from usage of goods of a kind inherently susceptible to burn-out.
- 3.5 HSF authorises Customer to pass on the express warranties contained in clauses 3.2 (a) and (b) (as applicable) to end users who purchase Goods from Customer, provided that:
- (a) Customer is not authorised to, and must not purport to, pass on to such end-users any warranty rights greater than, or different to, those granted by HSF in clause 3.2(a) or (b) (as relevant); and
 - (b) if Customer wishes to pass on the warranty rights granted in clause 3.2 (a) or (b) in writing, Customer must provide HSF with a copy of the document which it proposes to use for this purpose for review and written approval by HSF before such document is provided to the end-user.
- 3.6 Our Goods come with guarantees that cannot be excluded under the Australian Consumer Law. Customer is entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable Loss or Damage. Customer is also entitled to have the Goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.
- 3.7 This clause 3 states HSF's total responsibility and liability, and Customer's sole remedy in respect of the Goods and Services. In no event will HSF be liable for any incidental, consequential, special, or indirect damages, even if informed of the possibility of such damages and notwithstanding the failure of the essential purpose of any limited remedy. No extension of this warranty will be binding upon HSF unless set forth in writing and signed by HSF's authorised representative.

4. Limitation of Liability

- 4.1 To the full extent permitted by law and subject to clauses 3.1, 3.2 and 4.2:
- (a) HSF makes no warranty and will not be liable for any breach of statutory obligation or implied condition or warranty in respect of Goods and Services or the materials used, Systems or results of any process with which the Goods and Services are used or integrated;
 - (b) HSF shall under no circumstances be liable in any way whatsoever to Customer for any Loss or Damage sustained or incurred by Customer or any other party arising directly or indirectly out of the supply of Goods or Services by HSF, the use or performance of Goods or Services in isolation or as part of a System, any breach by HSF of the Contract, or negligence of HSF. HSF's liability to the Customer, if any, in contract, tort or otherwise will be reduced to the extent the Customer contributed to the Loss or Damage;
 - (c) HSF does not make any representations or give any warranty as to the overall performance of any System or the results of any process with which the Goods or Services are used or integrated; and
 - (d) the express warranties in clauses 3.1 and 3.2 is in substitution for all other terms, conditions, warranties and representations, implied by statute or otherwise, and all other terms, conditions, warranties and representations are excluded.
- 4.2 Where the Australian Consumer Law imposes statutory consumer guarantees in respect of Services provided by HSF to the Customer, and the Services are of a kind not ordinarily acquired for personal, domestic or household use or consumption, then the Customer's remedies for breach of any such statutory consumer guarantee shall be limited to, at HSF's election:
- (a) re-supply of the Services; or
 - (b) payment of the cost of having the Services supplied again.
- 4.3 This clause 4 will survive termination or completion of the Contract.

5. Price and Terms of Payment

- 5.1 Unless stated otherwise in writing, all prices quoted by HSF, are exclusive of all taxes, (including any GST), duties, levies and any other government charges, and where applicable shall be added to the price payable by the Customer to HSF. When GST is payable by HSF in respect of a taxable supply made by HSF to the Customer, the Customer shall pay HSF, in addition to



the GST - exclusive price, the amount on account of GST shown in the tax invoice rendered by HSF.

- 5.2 Unless stated otherwise in writing, all prices quoted by HSF, are based on the factory or supplier price list as held by HSF at date of proposal and also on rates of duty and primary wages and salaries, freight insurance and exchange rates prevailing at the date of the proposal. Any increase in price resulting from variation in any of these factors shall be payable by Customer. All prices are quoted based on HSF's terms and conditions; to the extent Customer's terms and conditions are deemed to apply, HSF reserves the right to modify all prices according to the additional level of risk and responsibility that Customer's terms and conditions require HSF to undertake. Additionally, thirty (30) days prior to the expiry of the first term of this Contract or such other time as nominated by HSF and every anniversary thereafter, HSF may give to the Customer notice in writing that the price of the Goods or Services shall increase. In the absence of such notice, prices quoted by HSF shall increase in accordance with the Index or by 5%, whichever is the greater.

- 5.3 HSF reserves the right to raise and be paid for progress claim invoices on the Customer. Progress claim invoices may be raised upon the supply of Equipment Services or Software to Customer or to some other place agreed or upon the completion of agreed benchmarks or other measure as agreed between Customer and HSF.

- (a) where HSF has Goods ready for supply in accordance with a delivery schedule agreed between HSF and Customer, but Customer is not able to adhere to that delivery schedule, then HSF may invoice Customer in accordance with that delivery schedule. In the absence of an agreed delivery schedule, the current HSF delivery schedule, as provided to Customer, shall be deemed to be the delivery schedule.

- (b) Goods paid for by Customer under sub-clause 5.3 will be held for Customer under HSF's custody, care and control and will be insured by HSF for fire and burglary at replacement value.

- 5.4 Except as otherwise agreed, invoices will be raised by HSF upon the supply of Equipment, Services or Software.

- 5.5 Subject to approval of Customer's credit by HSF, all charges shall be due and payable and paid by Customer to HSF within thirty (30) days from date of invoice. Where HSF has not approved Customer's credit, all charges shall be due and payable and paid by the Customer to HSF upon delivery of Goods or Services.

- 5.6 All payments shall be in Australian legal currency.

- 5.7 Any moneys for which an account or invoice has been furnished to Customer, and which remain unpaid for ninety (90) days after the due date for payment shall, at HSF's option, bear interest as from the date upon which payment is due at the prevailing commercial overdraft rate of HSF's then current bank.

6. Risk and Title

- 6.1 Property and ownership in Equipment will not pass to the Customer but will remain in HSF until the purchase price of the Equipment has been paid in full.

- 6.2 Until property in the Equipment passes to the Customer:

- (a) the Customer shall hold the Equipment as fiduciary bailee and agent for HSF;
- (b) unless otherwise notified in writing, the Customer is authorised to sell or use the Equipment in the ordinary course of business;
- (c) after giving 48 hours notice to the Customer, HSF shall be entitled to enter the Customer's premises between 9am and 5pm to inspect the Equipment;
- (d) the Equipment shall be stored separately and in a manner to enable them to be identified and cross-referenced to particular invoices;
- (e) if the Customer sells or uses the Equipment in a manufacturing or value added process of its own or a third party, then the Customer shall hold such part of the proceeds of the sale, manufacturing or value added process as relates to the Equipment in trust for HSF. Such part shall be deemed to equal in dollar terms the amount owing by the Customer to HSF for these Equipment at the time.

- 6.3 If the Customer:

- (a) fails to make payments for the Equipment on the due date; or
- (b) commences to be wound up or is placed under official management or suffers a receiver or manager to be appointed or becomes insolvent or bankrupt or commits an act of bankruptcy, the Customer will deliver the Equipment to HSF upon demand. In the event the Customer does not comply with a demand within 48 hours of receipt, HSF shall be entitled to enter upon the Customer's premises at any time to do all things necessary in order to take possession of the Equipment. The Customer will also pay on demand all costs associated with the exercise of HSF's rights under this clause.

7. Retention of Title and PPSA

- 7.1 Title

- (a) All Goods supplied in accordance with the terms of this Contract or any other agreement between HSF and the Customer remain HSF's property until the Customer has paid in full all moneys that the Customer owes to HSF from time to time.
- (b) If the Customer purchases Goods for re-supply, then the Customer

may sell the Goods in the ordinary course of business but must hold all proceeds from any such sale in trust for HSF.

- 7.2 Registration of security interest

- (a) For supplies made in Australia, terms in this clause 7.2 that are defined by the Personal Property Securities Act 2009 (PPSA (Australia)) have the same meaning in this clause.
- (b) For supplies made in New Zealand, terms in this clause 7.2 that are defined by the Personal Property Securities Act 1999 (PPSA (NZ)) have the same meaning in this clause.
- (c) The Customer agrees and acknowledges that:
- (i) for the purposes of the PPSA, HSF has a security interest in the Goods and in all proceeds from disposal of the Goods; and
- (ii) HSF may register its security interest under this clause 7.2 including as a purchase money security interest.

- 7.3 Undertakings

- (a) The Customer agrees:
- (i) to the maximum extent permitted by law, to waive any right to receive a verification statement under the PPSA in respect of the security interest under this clause 7;
- (ii) to do all things HSF considers necessary or desirable to ensure that HSF's security interest in the Goods is enforceable, continuously perfected and afforded the highest priority position available to HSF;
- (iii) to indemnify, and on demand reimburse HSF for all expenses incurred in registering a financing statement or financing change statement on the Personal Properties Securities Register or releasing any Goods the subject of the security interest; and
- (iv) to give HSF ten (10) Business Days' prior written notice of any proposed change in the Customer's name and/or any other change in the Customer's details (including but not limited to changes in the Customer's address, facsimile number, email address, or business practice) and immediately advise HSF of any material change in the Customer's business practices of selling or using any of HSF's products subject to the security interest which would result in a change in the end products produced or the nature of proceeds derived from such sales.

- 7.4 Confidentiality

The parties agree neither party will disclose any information of the kind mentioned in section 275(1) of the PPSA (Australia) or section 177 of the PPSA (NZ), unless the Customer or HSF are otherwise required to disclose such information under the PPSA Australia or PPSA NZ (as applicable).

8. Delay

- 8.1 It is contemplated that any Goods or Services to be supplied by HSF will be supplied during regular working hours on regular working days. If for any reason Customer requests HSF to supply Goods or Services outside regular working hours, any overtime or additional expenses occasioned thereby shall be invoiced to and paid by Customer to HSF as part of the purchase price for such Goods or Services, at HSF's then current labour rates to customers.
- 8.2 Extra costs incurred by HSF due to cessation of work occasioned by Customer's instructions or lack of instructions, by interruptions, mistakes, or work for which HSF is not responsible shall be reimbursed by Customer to HSF upon demand. Extra costs incurred by HSF due to occurrences under clause 9 and sub-clause 9.2 in these terms and conditions shall be reimbursed by Customer to HSF upon demand.

9. Work to be done by others

- 9.1 Without prior written agreement with Customer to the contrary, HSF will not set in place or install equipment or services piping nor carry out any electric wiring work, welding or entry into process lines, or building work such as concreting, cutting and making good, or painting. Such work shall be the responsibility of the Customer and at its expense and shall not be the responsibility of HSF.
- 9.2 HSF will not set the cut out or operating points of safety devices unless under the supervision and at the sole responsibility of Customer.
- 9.3 HSF will not provide lifting machinery, scaffolding, toilets or other site amenities.

10. Delivery, etc.

- 10.1 Delivery of Goods not agreed to be installed by HSF shall be FOB a HSF warehouse or HSF affiliated or office selected by HSF.
- 10.2 The delivery times made known to Customer are estimates only and HSF does not accept any responsibility for delays whether caused by fire, strike, lockout, dispute with workmen, delays caused by suppliers or others, flood, accident, transportation delays, fuel shortage, inability to obtain material, war, demand or requirement of Government or statutory authorities or any other cause beyond its control. In event of any delay, the date or dates for performance of this contract by HSF shall be extended for a period at least equal to the time lost by reason of the delay or the delays subsequently caused therefrom.
- 10.3 If the Goods or Services ordered by Customer are unable to be supplied to Customer by the scheduled delivery date, HSF will notify Customer and with Customer's consent, HSF may substitute equivalent goods or services in



place of the Goods and Services ordered by Customer, in order to satisfy Customer's order.

11. Loss of or Damage to Goods

- 11.1 To the extent permitted by law and subject to clause 4.1(b), in the case of Goods not agreed to be installed by HSF, HSF shall not be liable for any loss of or damage to the same after delivery FOB point of shipment, including any Loss or Damage in transit;
- 11.2 To the extent permitted by law and subject to clause 4.2, in the case of Goods agreed to be installed by HSF, HSF shall not be responsible for loss of or damage to goods, after those Goods have been delivered to the site. Should any Goods after being delivered and prior to payment by Customer be damaged or destroyed in any way whatsoever, other than by the fault of HSF, Customer agrees promptly upon demand to pay or reimburse HSF. In addition to and apart from any and all other sums due to or to become due to HSF under these terms and conditions, an amount equal to the Loss or Damage so occasioned.

12. Claims

Goods supplied shall be examined by Customer promptly upon delivery. To the full extent permitted by law and subject to clauses 3.1, 3.2 and 4.2, no claim will be recognised by HSF unless such claim is reported to HSF within seven (7) days after delivery of the Goods to which the claim relates.

13. Return of Goods

- 13.1 Subject to clauses 13.2 and 13.3, Goods may be returned for credit if they do not correspond with the description under which they were sold.
- 13.2 No Goods may be returned for credit unless HSF's written approval has been first obtained and the original invoice number and date have been quoted for reference.
- 13.3 Only Goods of current design in original sealed cartons, will be considered for credit, and a handling charge will be levied by HSF and paid by Customer to cover necessary inspection, adjustment, repacking and clerical work. Goods invoiced more than three (3) months prior to attempted return, Goods which are special in any nature whatsoever, software wirings and tubing cut to length and goods bought in to special order may not be returned.

14. Variations

Subject to its statutory obligations in relation to the supply of services under the Australian Consumer Law, HSF reserves the right to revise at any time the extent or type of goods or services it supplies to the Customer, if it believes that other goods or services supplied by HSF can fulfil the same function.

15. Dispute Resolution

- 15.1 The parties agree that if a dispute arises out of or relates to the Contract, a party may not commence any court or arbitration proceedings relating to the dispute unless it has complied with the provisions of this clause 15, except to seek urgent interlocutory relief.

- 15.2 A party claiming that a dispute has arisen must give written notice to the other party specifying the nature of the dispute. On receipt by the other party of the notice, the matter must be referred to the senior management of each party for resolution. If the managers are unable to resolve the dispute within ten business days, the parties must mediate the dispute under the mediation rules of the Law Society of New South Wales and the President of the Law Society or the President's nominee will select the mediator and determine the mediator's compensation.

16. Software Licence

HSF agrees to grant to Customer a licence to use any Software provided pursuant to the Contract, upon and subject to the terms and conditions set out in HSF's standard Software License Agreement which Customer shall execute prior to delivery or installation of such Software.

17. Governing Law

These Conditions are governed by the laws of New South Wales, Australia. Each party submits to the non-exclusive jurisdiction of the courts of NSW and the courts which hear appeals from those courts.

18. Indemnity

Customer agrees to indemnify HSF, its employees and agents and each of them from and against all Loss or Damage, resulting directly or indirectly from any acts, errors or omissions of Customer in connection with the Contract or the use, possession, operation of the Goods or Services. This clause will survive termination or completion of the Contract.

19. Intellectual Property

Subject to clause 16, nothing in these Conditions shall confer on Customer any licence, right, title or interest in or to any intellectual property comprised in the Goods or Services, which will at all times remain the property of HSF or its suppliers.

1

1668x2	4
18U	43
18U/BB	43

2

2012/24AUS	11
2012J	11
2151BAUS	11
28U	43
28U/BB	43

4

40U	43
-----	----

5

5151AUS	11
5151HAUS	11
5151HRAUS	11
5151RAUS	11

8

885WP-B	11
---------	----

A

AAM	18
ABF-1B	44
ABF-1DB	44
ABF-2B	44
ABF-2DB	44
ABF-4B	44
ABS-1B	44
ABS-1TB	44
ABS-2B	44
ABS-2D	44
ABS-4D	44
ACM-16ATAUS/00	48
ACM-32AAUS/00	48
ACM-8RA	3
Agent Release Module	26
Almos Bracket	44
Annunciator Enclosures	44
ASE bracket	44

B

B401	11
B501AUS-BK	15
B501AUS	15
B501AUS-W	15
BACNET-GW	10
Batteries	42
Battery box	43
BCK-200B/10	15
BDA-70V	21
BEAM1224	12
BEAM1224S	12
BEAMLRK	12, 15
BEAMMK	12, 15
BEAMSMK	12, 15
Bells	25
BEXBG05D24DC-RD	24
BEXBG15D24DC-RD	24

BEXCP3A-BG-LF	31
BEXCS110-L2D	23
BEXL15D100V	23
BExS110D24DC	26
BExS120D24DC	26
Blue MCP	30

C

CAB650BB-BK	43
Capillary tube	40
Ceiling Speaker	23
Centaur Bracket	44
CFP-16	3
CHS-1L	44
CHS-2	44
CHS-2L	44
CHS-3L	44
CHS-4	44
CHS-4L	44
CHS-6	44
CMM-2	22
Code Red Bracket	44
CPU (spare parts)	49 - 52

D

D2 Duct Detector	12
D4120W	12
DA-120	22
DA-120/CAB	22
DA-30	22
DA-30CAB	22
DA-60	22
DA-60CAB	22
DAA2-5070E	21
DA-DISPA	22
DA-DISPB	22
DA-DISPC	22
DA-DISPD	22
DBS-4-W	25
DBSLIDW	25
Detector guards	17
DGP1B	43
DGP2B	43
Digital Audio Amplifiers	21
Digital Voice Command	21
DNR-AUS	17
DNRW	17
DS-FM	21
DS-SFM	21
DST1.5	12, 17
DST10	12, 17
DST3	12, 17
DST5	12, 17
Dual strobe	4, 24
Duct detector (addressable)	17
Duct detectors (conventional)	12
DVC-AOI	21
DVC-EM	21
DX070	48

E

End cap (ASD pipe)	40
ETX	12, 17
E60 - E240	12

F

Face plates for Warning signs	29
FAPT-851AUS	15
FCM-1	18

FDM-1	18
FDMR-1	18
Fibre Optic Linear Heat Detection	35
FIM	48
Fire Rated Cable	47
FirstVision	9
Flame Detector	33
Flame simulator	33
Flashni	24
Flush surrounds for panels	43
FMM-1	18
FMM-101	18
FRM-1	18
FSB-200	15
FSB-200S	15
FSP-851AUS	15
FSP-851AUS/BCK	15
FSL-751	15
FSP-851AUS	15
FST-851AUS	15
FST-851HAUS	15
FST-851RAUS	15
FST-851R-WP	15
FST-851-WP	15
FZM-1	18

G

Gas card	See Agent Release Module
Gas Detectors	34
Graphics	See OnyxWorks, See OnyxWorks
Green MCP	30

H

HASP	40
Horn Speaker	23, 24
HS-NCM-MF	8
HS-NCM-MESE	8
HS-NCM-SF	8
HS-NCM-W	8
HS-NCM-WMF	8
HS-NCM-WSF	8

I

IDX-1E	13
IFS-1125C	49
IFS-2004C	49
IFS-713	See CPU, See CPU
IFS-717E	See RLY8
IFS-724	See FIM
IFS-725I	48
IFS-816	49
IFS-993F	4
IMX-1E	13
IR2 Flame Detector	33
IR3 Flame Detector	33
IS Horn Sounder	25
Isolation Barrier	48
IS-A105N-R	25
IS-L101L	25
IS-mA1-R	25
IS-mB1	25
IS-mC1-R/R	25
ISO-X	18

J

J piece	40
---------	----

K

KFD0-CS-Ex1.56	48
----------------	----



KFD0-CS-Ex1.54-Y2.....48

L

LaserCOMPACT.....37
 LaserFOCUS.....37
 LaserSCANNER.....38
 LCD-80/2800.....48
 LCM-320.....5, 48
 LCS.....24
 LDM-32.....7
 LDM-R32.....7
 LEM-320.....5, 48
 LIM.....48
 Linear Heat Detection.....35, 36
 Loop Control Module.....See LCM-320
 Loop Expander Module.....See LEM-320
 Low profile chassis.....44

M

M200E-DIN.....18
 M200E-PMB.....18
 M200E-SMB-KO.....18
 Magnetic Door Holders.....32
 MCP clear flap.....30
 MDH/F.....32
 MDH1000.....32
 MDH1350.....32
 MDH400.....32
 MDHREM.....32
 MDHW15.....32
 MDHW30.....32
 MHRZA.....25
 MHWZA.....25
 MIC/1D.....22
 MIC/4D.....22
 Mimic (LCD).....See LCD-80
 Mini-Horn Sounder.....25
 ModBus-GW-3.....10

N

NCM-F.....8
 NCM-SF.....8
 NCM-W.....8
 NFN-GW-AU-EM-3.....10
 NFN-GW-PC-F.....9
 NFN-GW-PC-W.....9
 NFS2.....49
 NFS4.....49
 NFS8.....49
 NIM.....48
 Notify-IP.....9
 NPS-11.....42, 49
 NPS-11/BBO.....42
 NPS-11S.....42
 NPS-2/BB.....42
 NPS-5.....42, 49
 NPS-5BB.....42
 NPS-5S.....42
 NPS-DISP.....42, 49
 NTFast bracket.....44
 NWS-3.....10

O

Onyx FirstVision.....9
 OnyxWorks.....9

P

Paging Console.....22
 PBC-150.....49
 PBC-70.....49
 Pendant Speaker.....24
 Pipe clip.....40
 Pipe junction.....40
 Pressure switch.....19
 Projection Speaker.....24
 PS200.....30, 31
 PS210.....30, 31

R

Relay modules.....3, 4, 44
 Remote indicator.....17
 Repeater.....See RPT-F or RPT-WF
 Resettable MCP.....30
 Romteck Bracket.....44
 Roshni.....24
 RPT-W.....8
 RPT-WF.....8
 RTS451Key.....12

S

Sampling point.....40
 SC070.....30, 31
 SCS-8A.....6
 SCS-8LA.....6
 SDM-4.....22
 SDX-851AUS.....13
 Sensepoint XCD.....34
 SG-1x10.....30, 31
 Small bend.....40
 SMB-500.....18
 SMK-400.....11, 15
 Smoke alarm.....See 2012
 Smoke Pen.....44
 SMOKE-C.....43
 SMOKE-CO.....43
 SMOKE-D.....43
 SMOKE-S.....43
 SMOKE-SABRE.....43
 SMOKE-T.....43
 SOLEX10.....25
 SOLO.....43
 SP-125.....23
 SP-320.....49
 Speakers.....24, 25
 SpectrAlert.....24
 SPH-15W.....23
 SRHKRLFIRE.....24
 SSM Series Fire Bells.....25
 STI-3150.....24
 STI-9604.....17
 Surge Suppression.....48
 Surrounds.....43

T

T piece.....40
 Test magnet.....44
 TPS Cable.....47
 Trunk adaptor.....40
 Type E Probe.....12

U

UniPoint Gas detector Controllers.....34
 Upload/Download cable.....48
 USB to RS232 Converter.....48
 UV/IR Flame detector.....33

V

VESDA/ASD Pipe.....40

W

Warning sign face plate.....29
 White detector cover.....15
 White MCP.....30
 WIP Handset.....20
 WIP/BOX/IP66.....20, 43
 WSA-I/SI.....29
 WSA-O/SI.....29
 WSR-I.....29
 WSR-O.....29

X

XCD Gas Detector.....34
 XP module mounting.....44
 XP-10M.....19
 XP-4.....44
 XP-6C.....19
 XP-6MA.....19
 XP-6R.....19

Y

Y piece.....40
 Yellow MCP.....30

Z

Zener barrier.....48
 Z728.....48



For over **60 years**, NOTIFIER has been a **leader** in the fire alarm industry.

Today, we are the **largest manufacturer** of engineered fire alarm systems with over **400 distributors worldwide**, and regional support operations on **every continent** for the flexibility and options your business needs.
NOTIFIER – Fully Connected, Fully Protected.

Honeywell Security & Fire (Pacific)

Honeywell Ltd
9 Columbia Way
Norwest Business Park
BAULKHAM HILLS NSW 2153
Visit: www.notifier.com.au

Tel: 1300 234 234 (Australia)

DOC-02-183 – REV. A

Honeywell Security & Fire (NZ)

Honeywell Ltd
56 Cawley St Ellerslie
AUCKLAND, NZ 1051
Visit: www.notifier.co.nz

Tel: +64 9 623 5050 (New Zealand)

Email: salesnz@notifier.com.au