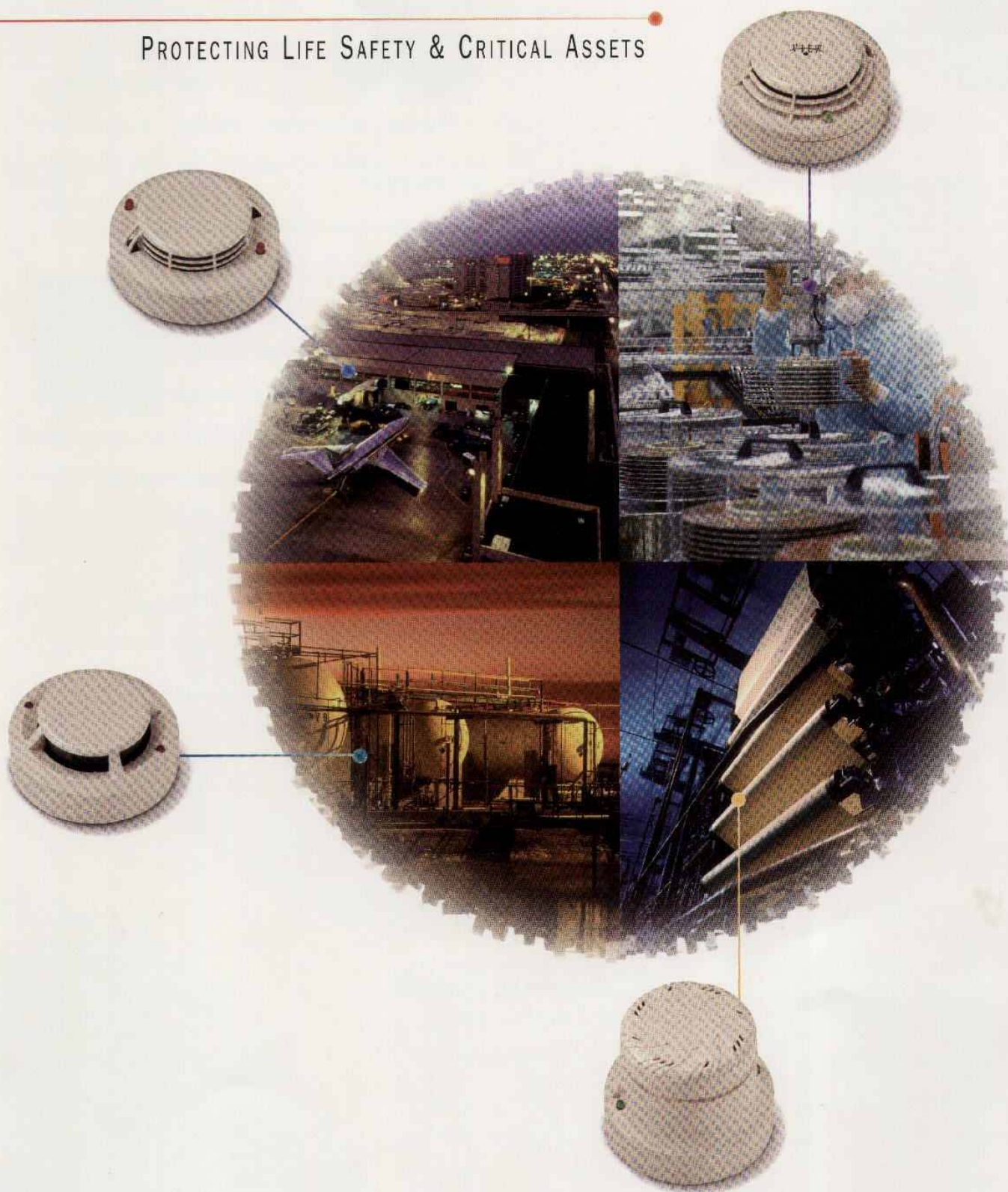




NOTIFIER ADVANCED DETECTION SYSTEMS

PROTECTING LIFE SAFETY & CRITICAL ASSETS



VIEW® (Very Intelligent Early Warning) Laser Smoke Sensor

Our VIEW® laser system is ideal for critical applications where even a trace of undetected smoke is unacceptable or where high air flows can make traditional smoke sensors inadequate. VIEW provides the very early warning, individual point indication, total supervision and simplified maintenance available only from hard-wired, intelligent technology...and only from NOTIFIER.



The result is the security of knowing you'll receive the earliest possible warning and location of smoke without the supervision and maintenance drawbacks of alternatives like air sampling systems.

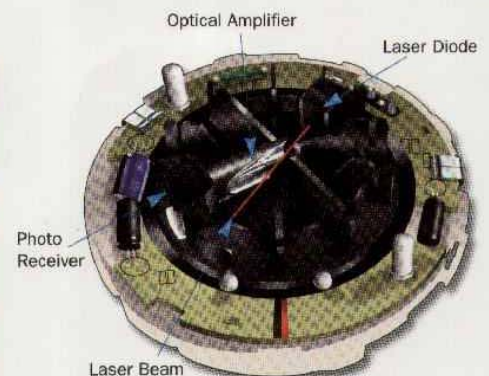
Why VIEW?

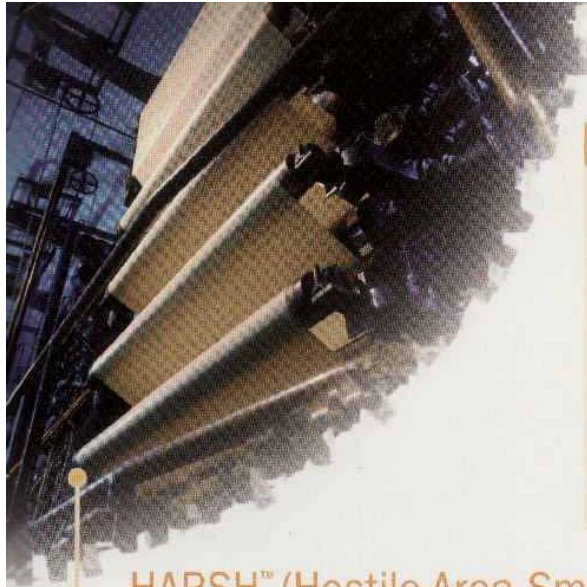
- Superior stability resulting from over two million hours of false alarm-free testing.
- Adjustable sensitivity of pre-alarm and alarm levels from .07%/m to 3.2%/m obscuration provides the appropriate response in even the most critical applications.
- Cooperative detection algorithms let VIEW sensors operate in a group mode, enhancing response time and stability while helping overcome smoke dilution in high air flow applications.
- Dual LED design for 360° viewing of intuitive two-color LEDs (blink green for normal, steady red for alarm) makes point identification and status recognition simple.
- VIEW sensors can be intermixed with other sensors on the same loop to custom-match detection to risk without redundant controls.



VIEW - Perfect For...

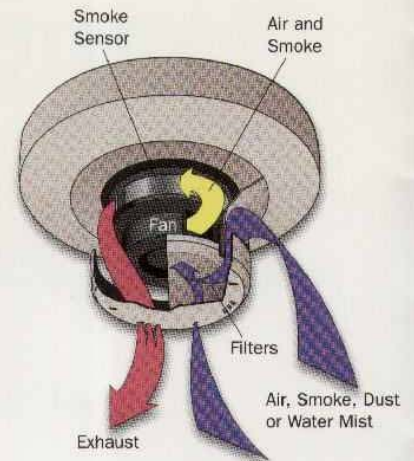
- Telephone central offices
- Computer rooms
- Clean rooms
- Cable rooms
- Museums and archives





HARSH – Perfect For...

- Paper, lumber and textile mills
- Food processing plants
- Packaging areas (corrugated dust)
- Laundry rooms
- Animal holding areas such as zoos, stables, barns
- Subway tunnels



HARSH™ (Hostile-Area Smoke Head)



When hostile environments make traditional smoke sensors impractical, HARSH™ is the answer. HARSH works in

environments where traditional smoke detection fails. HARSH eliminates nuisance alarms by using a small intake fan to draw air and smoke into a photoelectric sensing chamber through a micro-pore filter, removing unwanted airborne particulates and water mist. So there's no need to compromise on detection in critical areas just because they are dirty or wet.



Why HARSH?

- Intelligent analogue communication provides complete supervision of fan, filter and detection chamber.
- Micro-pore filter removes dust and dirt without removing smoke, and its easy-to-replace design minimises maintenance.
- Unique housing design helps protect the detection chamber and electronics in damp and moisture-rich environments.
- Compatible with all NOTIFIER intelligent fire control panels for new or retrofit installations.
- Cycled fan operation reduces power consumption and extends filter life.



AMS (Advanced Multi-Sensor) Low-Profile Intelligent Sensor

The challenge of smoke detection without false alarms is often greatest in public buildings where activities and potential fire sources can vary greatly, almost hourly. The public's presence actually creates both the need for early warning and the greatest obstacles to achieving it.



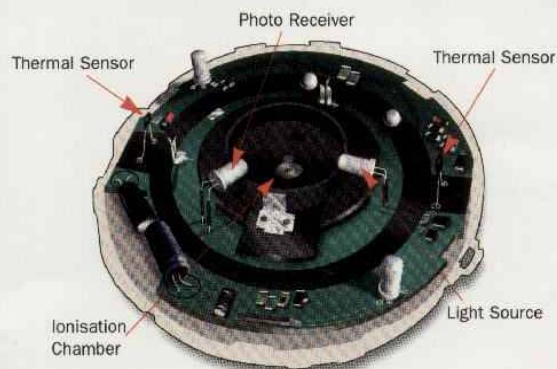
Our AMS sensor meets the challenge of insuring life safety by combining photoelectric, ionisation and thermal sensing technologies to detect fast flaming



fires, slow smouldering fires and clean-burning fuel fires. Advanced algorithms and time-based analysis provide early warning and accurate analysis, and are highly immune to nuisance alarms.

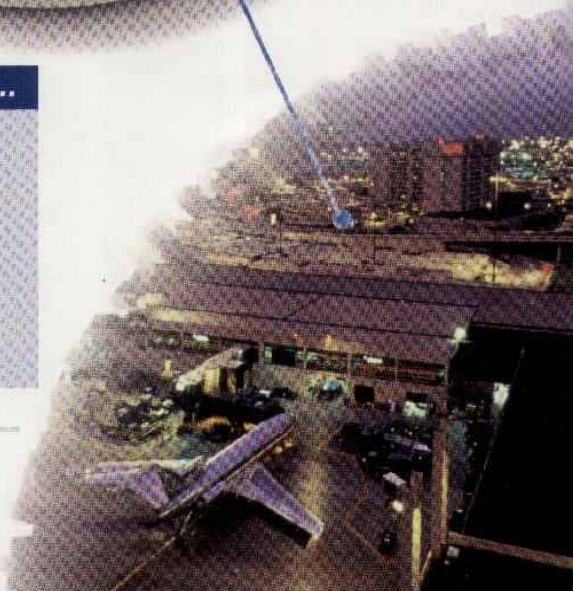
Why AMS?

- Combination ionisation, photoelectric and thermal design provides optimal response to all fire types.
- Broad response range and adjustable levels of sensitivity make it suitable for almost any occupancy.
- Ideal in environments susceptible to nuisance alarms.
- Architecturally friendly low-profile design (only 42.2mm high) is both unobtrusive and aesthetically pleasing.
- Onboard microprocessor with advanced algorithms.



AMS – Perfect For...

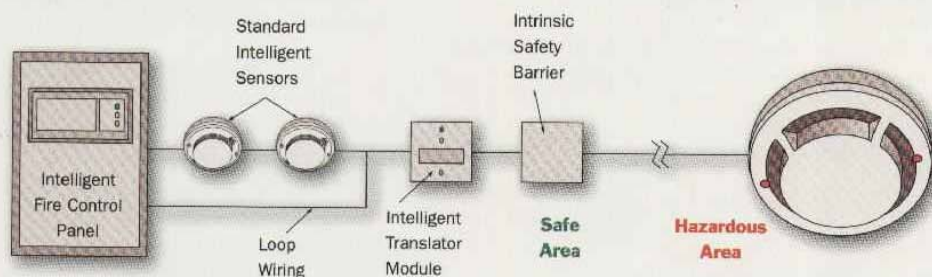
- Schools
- Airports
- Malls
- Hospitals
- Churches





HAZARD – Perfect For...

- Oil and gas refineries
- Petro-chemical plants
- Fossil power plants
- Pharmaceutical plants
- Generator equipment rooms



HAZARD Intrinsically Safe, Intelligent Photoelectric Sensor



Many industrial environments are potentially explosive. Often, in those environments, electronic equipment must be enclosed in expensive, heavy, explosion-proof housings, which create a physical barrier between the electronics and the explosive environment.

HAZARD, our new intelligent photoelectric smoke sensor for hazardous environments, provides a cost-effective alternative to explosion-proof fire detectors by providing an electronic barrier. HAZARD is specifically designed to operate with intrinsic safety barriers, which limit power to the hazardous area to safe levels.



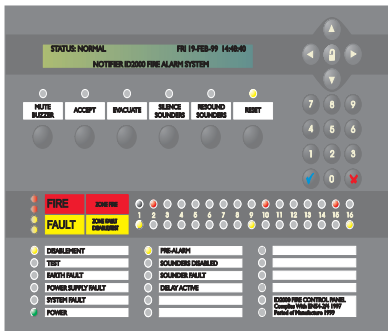
Why HAZARD?

- BASEEFA approved for EEx ia IIC T5 hazardous locations.
- FM approved for Class 1, Division 1, Groups A, B, C, D hazardous locations.
- Dual LEDs for 360° visibility improve point identification and status recognition.
- Intelligent communication provides complete sensor status information, which can reduce the need to enter hazardous areas for code-mandated, periodic testing of sensors.
- Built-in, tamper-resistant feature allows installation in high-use industrial environments.

Page 1 of 7 — 990-053

- ✓ Integrated context sensitive help file.
- ✓ Cut and paste editing functions.
- ✓ File management options such as copy and rename.
- ✓ Integrated terminal emulation option for real time editing and monitoring, with print to file or printer option.
- ✓ Split screen terminal emulation diagnostics.
- ✓ Support for serial or parallel printers.
- ✓ Site specific installation information embedded into configuration file.
- ✓ Authentication requirement for copy protection.

• User Interface



- ✓ 16 to 80 expandable zone indications.
- ✓ Optional integral thermal printer.
- ✓ Clear and concise fascia layout.
- ✓ Software adjustment of timekeeper clock speed.
- ✓ Programmable passcode or optional user interface door for access restriction.
- ✓ Intuitive operation.
- ✓ Configurable Zone and Individual Point location text

• Modern Housing

- ✓ Choice of 5 cabinet sizes with expansion capability
- ✓ Stylish moulded covers with high security option
- ✓ Back Boxes supplied separately
- ✓ Primary electronics supplied in chassis format for ease of installation

- ✓ Optional lockable glazed door for access restriction

• Optional secondary RS232 port (isolated)

- ✓ Graphics System Interface
- ✓ Paging System Interface
- ✓ 80-column Printer Interface

• Optional RS485 port (isolated)

• Analogue Loop Devices Support

- ✓ Type A1, A1R and B2 Heat Sensors
- ✓ Low-Profile Optical Sensors
- ✓ Low-Profile Ionisation Sensors
- ✓ Loop Powered Beam Detectors
- ✓ Manual Call Points
- ✓ Analogue Input Modules
- ✓ Analogue Output Modules
- ✓ Loop Powered Sounders
- ✓ Very Intelligent Early Warning Sensors (VIEW™)
- ✓ Self Optimising Optical, Thermal Multi-Sensors (OptiPlex)
- ✓ Hostile-Area Smoke Head Sensors (HARSH™)
- ✓ Intrinsically safe Intelligent Optical smoke sensors (HAZARD™)

• VIEW™ Sensor

- ✓ Revolutionary Point Laser detection
- ✓ Advanced AWACSTM algorithms differentiate between smoke and non-smoke signals
- ✓ 99 VIEW™ sensors per loop capability
- ✓ 9 levels of alarm sensitivity from 0.1% to 3.24% per metre obscuration, per sensor
- ✓ 9 levels of pre-alarm sensitivity from 0.07% to 1.63% per metre obscuration, per sensor
- ✓ Multi-device algorithm, uses nearby sensors in alarm determination
- ✓ Maintenance alert
- ✓ Addressable operation pinpoints the fire location
- ✓ No moving parts to fail or filters to change

• OptiPlex Sensor

- ✓ Self optimising Optical, Thermal sensing technology combined in one sensor.
- ✓ 5 smoke sensitivity levels, two self-optimising with heat only output.

• HARSH™ Sensor

- ✓ Operates as standard optical sensor in "dirty" environments, with no loss of smoke detection performance
- ✓ Dual filters for immunity to nuisance alarms
- ✓ Resistant to problems associated with water droplets, visible dust and fibres
- ✓ Intake fan motor, power availability and filter state fully monitored

• HAZARD™ Sensor

- ✓ BASEEFA approved to EEx ia IICT5.
- ✓ Zone 0 hazardous environment installations.

System Modules

The ID2000 is a flexible modular control panel, built from various option modules. Choose the combinations best suited to the particular application. Each module is supplied with required mounting screws, connection cables, washers etc. and installation instructions.

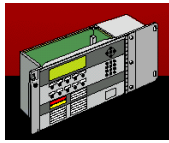
Basic Equipment kits

Note:

Yuasa battery sizes are referenced unless otherwise stated.

- **020-628-xxx ID2000 Basic Equipment Kit**

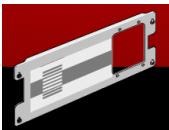
Includes main chassis assembly, with hinged display, Base PCB containing two loop interfaces, microprocessor PCB containing relevant software and spare fuses. 020-628 Basic Equipment kit - Language Group 0
020-628-001 Basic Equipment Kit - Language Group 1
020-628-002 Basic Equipment Kit - Language Group 2
020-628-003 Basic Equipment Kit - Language Group 3



Extension chassis

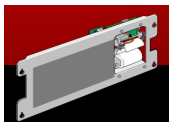
- **020-469-009 Extension Chassis Kit. Zone 17-80**

Includes extension chassis with LED display board for zones 17 to 80 to indicate fire and fault / disablement / test. Will also accept integral printer.



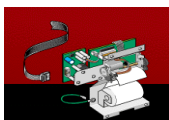
- **020-470-009 Extension chassis with PRN2000 Printer Module Kit**

Includes extension chassis with integral printer fitted. The RS232 card is not required. Uses 1 panel COMMS port.



- **020-471 PRN2000 Printer Module Kit**

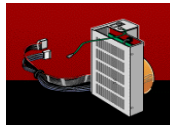
Includes thermal printer with power supply unit and roll of thermal paper. May be fitted to extension chassis kit 020-469-009 or used as a spare. The RS232 card is not required. Uses 1 panel COMMS port.



Power supplies & accessories

- **020-484 PSU 2.5A Assembly Kit**

Includes complete power supply unit assembly, interconnection cables and spare fuses. Mounts behind the basic equipment chassis and charges up to 38Ah batteries.



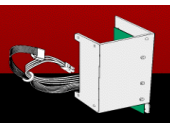
- **020-579 Universal Power Supply Kit. 4.5A or 7A user selectable.**

Includes complete power supply unit assembly, interconnection cables and spare fuses. Mounts inside any deep back box kit or the remote battery / PSU enclosure kit and charges up to 130Ah battery capacity. PSU DTP / Booster required in main chassis.



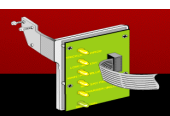
- **020-543 PSU DTP/Booster Kit**

Includes complete PSU interface unit assembly, interconnection cables and spare fuses. Mounts behind the basic equipment chassis. Essential for use with 7A PSU.



- **020-548 PSU 7A Status Indication Kit**

This optional unit includes complete assembly and interconnection cables. Mounts on the side of the externally mounted Power Supply Unit Kit and gives status indication of the PSU.



- **020-541-009 78Ah Remote Battery / PSU Enclosure Kit**

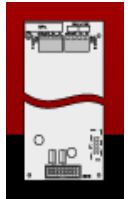
Floor mounted only back box with extra depth for additional battery space. Powder coated in RAL 7021 extra fine texture. Includes power in connectors. Will hold batteries up to 78Ah. Compatible with PSU7A (020-579). PSU not included. Dimensions 680mm(w) x 510mm(h) x 240.5mm(d)



Expansion boards

- **020-588 Dual Loop Module Kit (LIB)**

Includes PCB for additional 2 loops, and plug in cable connector. Max. three modules per panel. Maximum of 512 input devices per panel using standard LIBs.



- **020-478 Isolated RS232 Module Kit**

Includes PCB for isolated RS232 port for OEM interface, 80 column printer etc. Uses 1 panel COMMS port.



- **020-479 Isolated RS485 Module Kit**

Includes PCB for isolated RS485 port for peripherals such as repeaters. Uses 1 panel COMMS port.



Repeaters & Mimic panels

- **002-450 IDR-2A Active Repeater**

Includes enclosure with electronics carried on the enclosure door. Requires external 18-32V dc. power supply and panel to be fitted with RS485 card 020-479. Finished in RAL 7021 extra fine texture. Optional Bezel kit, 020-600-009.

Dimensions 253.5mm(w) x 165mm(h) x 50mm(d)



- **002-451 IDR-2A Passive Repeater**

Includes enclosure with electronics carried on the enclosure door. Requires external 18-32V dc. power supply and panel to be fitted with RS485 card 020-479. Finished in RAL 7021 extra fine texture. Optional Bezel kit, 020-600-009.

Dimensions 253.5mm(w) x 165mm(h) x 50mm(d)



- **020-573 IDR-MD Mimic Control PCA Kit.**

This comprises a Mimic Driver board and two Mimic termination boards, each mounted on a discrete metal chassis. Up to eight Mimic Driver boards can be driven by one Control board.



- **020-574 Mimic Driver & Termination Board PCA Kit**

This comprises a Control board and a Termination board co-located on one metal chassis. The Control board contains the processor and memory, and the Termination board allows connection of power, RS485 and other external signals. The Control board communicates with up to eight Mimic Driver boards.



Product literature and tools

- **020-605 DOS Based PC Support Tool Kit**

Includes "Off-line Configuration" software and electronic manuals on a floppy, interconnection cable assembly and installation instructions.



Back box & enclosure options

- **020-472-009 Standard Back Box Kit**

Basic back box powder coated in RAL 7021 extra fine texture. Includes power in connectors. Will hold batteries up to 12Ah. Suitable only for 16 zone version. Compatible with internal PSU2.5A or external PSU7A.

Dimensions 500mm(w) x 400mm(h) x 122mm(d)



- **020-473-009 Extended Back Box Kit**

Single "extended height" back box powder coated in RAL 7021 extra fine texture. Includes power in connectors. Will hold batteries up to 17Ah. Suitable for use with single extension. Compatible with internal PSU2.5A or external PSU7A.

Dimensions 500mm(w) x 620mm(h) x 122mm(d)



- **020-474-009 Extended Deep Back Box Kit**

Single "extended height" back box with extra depth for additional battery space, powder coated in RAL 7021 extra fine texture. Includes power in connectors. Will hold batteries up to 38Ah. Suitable for use with single extension. Compatible with internal and external PSU's.

Dimensions 500mm(w) x 620mm(h) x 220mm(d)



- **020-475-009 Double Extended Back Box Kit**

Double "extended height" back box powder coated in RAL 7021 extra fine texture. Includes power in connectors. Will hold batteries up to 17Ah. Suitable for use with dual extension. Compatible with internal PSU2.5A or external PSU7A.

Dimensions 500mm(w) x 840mm(h) x 122mm(d)



- **020-476-009 Double Extended Deep Back Box Kit**

Double "extended height" back box with extra depth for additional battery space, powder coated in RAL 7021 extra fine texture. Includes power in connectors. Will hold batteries up to 38Ah with chassis fitted. Suitable for use with dual extension. Compatible with internal and external PSU's.

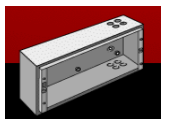
Dimensions 500mm(w) x 840mm(h) x 220mm(d)



- **020-508-009 Standard Extension Back Box Kit**

Basic back box powder coated in RAL 7021 extra fine texture. Will hold batteries up to 17Ah.

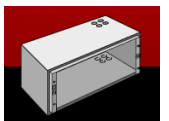
Dimensions 500mm(w) x 220mm(h) x 122mm(d)



- **020-509-009 Deep Extension Back Box Kit**

Deep back box with extra depth for additional battery space, powder coated in RAL 7021 extra fine texture. Will hold batteries up to 38Ah.

Dimensions 500mm(w) x 220mm(h) x 220mm(d)



- **002-439 Multi-Mount Enclosure**

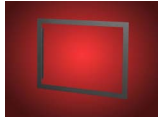
Will accept any 2 standard modules / isolators, a single CMX-10R, a Serial Nion or a MRM-1 mains relay. Finished in RAL 7021 extra fine texture.



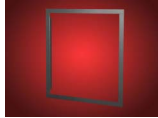
Covers & bezels options

RAL 7021 extra fine texture. Moulding adds 31mm to overall depth of back box.

- **020-038-009 Bezel Standard**
Semi-flush mount bezel for standard height back box. Finished in RAL 7021 extra fine texture.



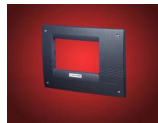
- **020-039-009 Bezel Extended**
Semi-flush mount bezel for extended height back box. Finished in RAL 7021 extra fine texture.



- **020-040-009 Bezel Double Extended**
Semi-flush mount bezel for double extended height back box. Finished in RAL 7021 extra fine texture.



- **020-480-009 Main Cover Kit**
Includes moulding, hinges for user interface door, push clip fasteners, Notifier label and hex fixing tool. Finished in RAL 7021 extra fine texture. Moulding adds 31mm to overall depth of back box.



- **020-513-009 Main Cover High Security Kit**
Includes moulding, hinges for user interface door, high security fasteners and Notifier label. Finished in RAL 7021 extra fine texture. Moulding adds 31mm to overall depth of back box.



- **020-481-009 Extension Cover Kit**
Includes moulding, hinges for user interface door, push clip fasteners and printer slot covering label. Finished in



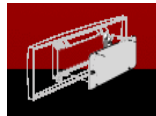
- **020-514-009 Extension Cover High Security Kit**
Includes moulding, hinges for user interface door, high security fasteners and printer slot covering label. Finished in RAL 7021 extra fine texture. Moulding adds 31mm to overall depth of back box.



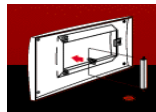
- **020-515 High Security Tool**
For use with the high security fasteners on the high security moulded covers 020-513-009 and 020-514-009.



- **020-485-009 Extension Cover Blanking Plate Kit**
Blanking plate kit for extension cover moulding where no extension chassis is required. May be used for customisation such as mounting of plant switches. Finished in extra fine texture.



- **020-482 Main User Interface Door Kit**
Lockable user interface door kit for additional primary display level 2 access restriction and tamper resistance.



- **020-483 Extension User Interface Door Kit**
Lockable user interface door kit for tamper resistance to extension interface.



Controls and Indicators

• Led Status Indicators

- ✓ FIRE
- ✓ FAULT
- ✓ DISABLEMENT
- ✓ TEST
- ✓ EATH FAULT
- ✓ POWER SUPPLY FAULT
- ✓ SYSTEM FAULT
- ✓ POWER
- ✓ PRE-ALARM
- ✓ SOUNDER DISABLED
- ✓ SOUNDER FAULT
- ✓ DELAY ACTIVE
- ✓ DAY MODE
- ✓ REMOTEOUTPUT DISABLED
- ✓ REMOTEOUTPUT FAULT
- ✓ REMOTEOUTPUT OPERATED

• Membrane Switch Controls

- ✓ MUTE BUZZER
- ✓ ACCEPT
- ✓ EVACUATE
- ✓ SILENCE SOUNDERS
- ✓ RESOUND SOUNDERS
- ✓ RESET

• Membrane Programming and Selection Keys

- ✓ 10-Key Numeric Key-pad
- ✓ ▲, ▼, ◀, ▶ Navigation Arrows
- ✓ ✓ and ✗ Pushbuttons
- ✓ 🔒 Pushbutton

• LCD Display :

- ✓ Alphanumeric 80 Character (2 x 40) Back-lit Display

• Keyswitch

- ✓ Level 2 Access Code Keyswitch

Panel capacity

- ✓ 2 to 8 Loops per panel
- ✓ 80 Zone LED indication options on Extended Panel cabinets
- ✓ 99 Intelligent Sensors per loop
- ✓ 99 Addressable Monitor/Control Modules per loop

Panel Specifications

• Primary Input Power

- ✓ 230V, 50Hz (Fused at 5A Recommended, 5A mains spur)

• Sounder Outputs

- ✓ 2 Sounder outputs @ 1A each

• Sounder / Volt-free Outputs

- ✓ 2 Sounder / Volt-free output contacts rated 30V 1A.

• Relay Outputs

- ✓ Fire Relay Output @ 30V 1A.
- ✓ Fault Relay Output @ 30V 1A.

• Auxiliary Power Output

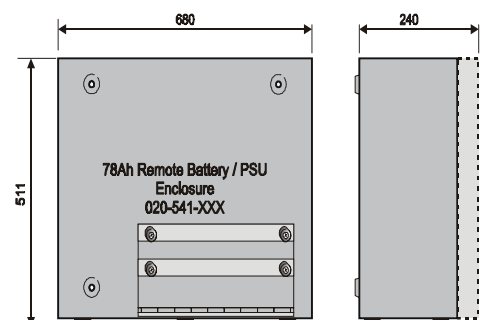
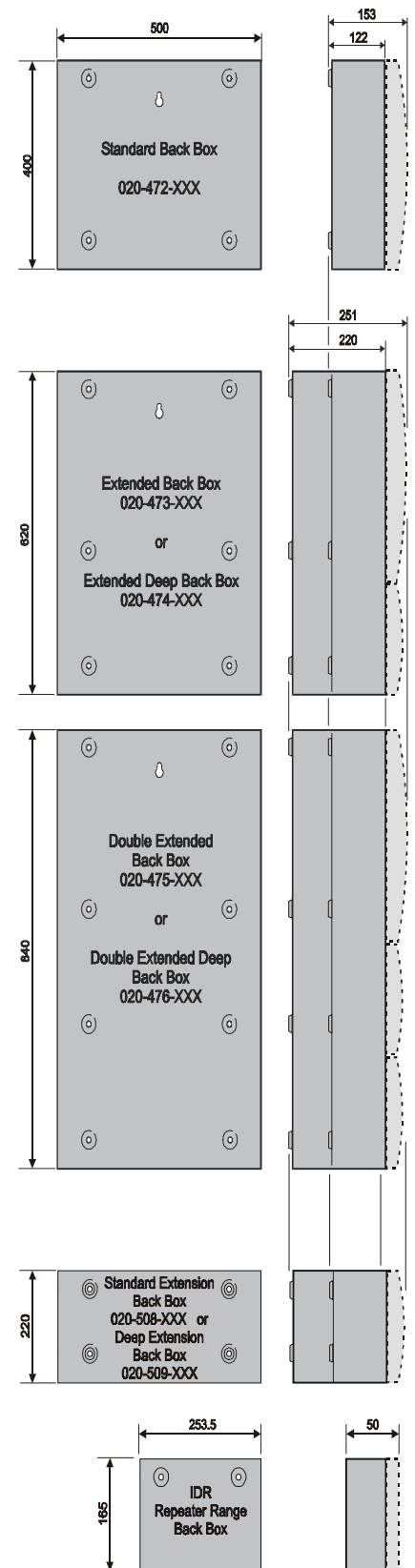
- ✓ 2 Auxiliary Outputs rated @ 26-28V 1A Each

• Total Auxiliary Output

- ✓ Total Sounder and auxiliary power dependent on power supply option selected (please refer to Notifier's see PSU Specifications)

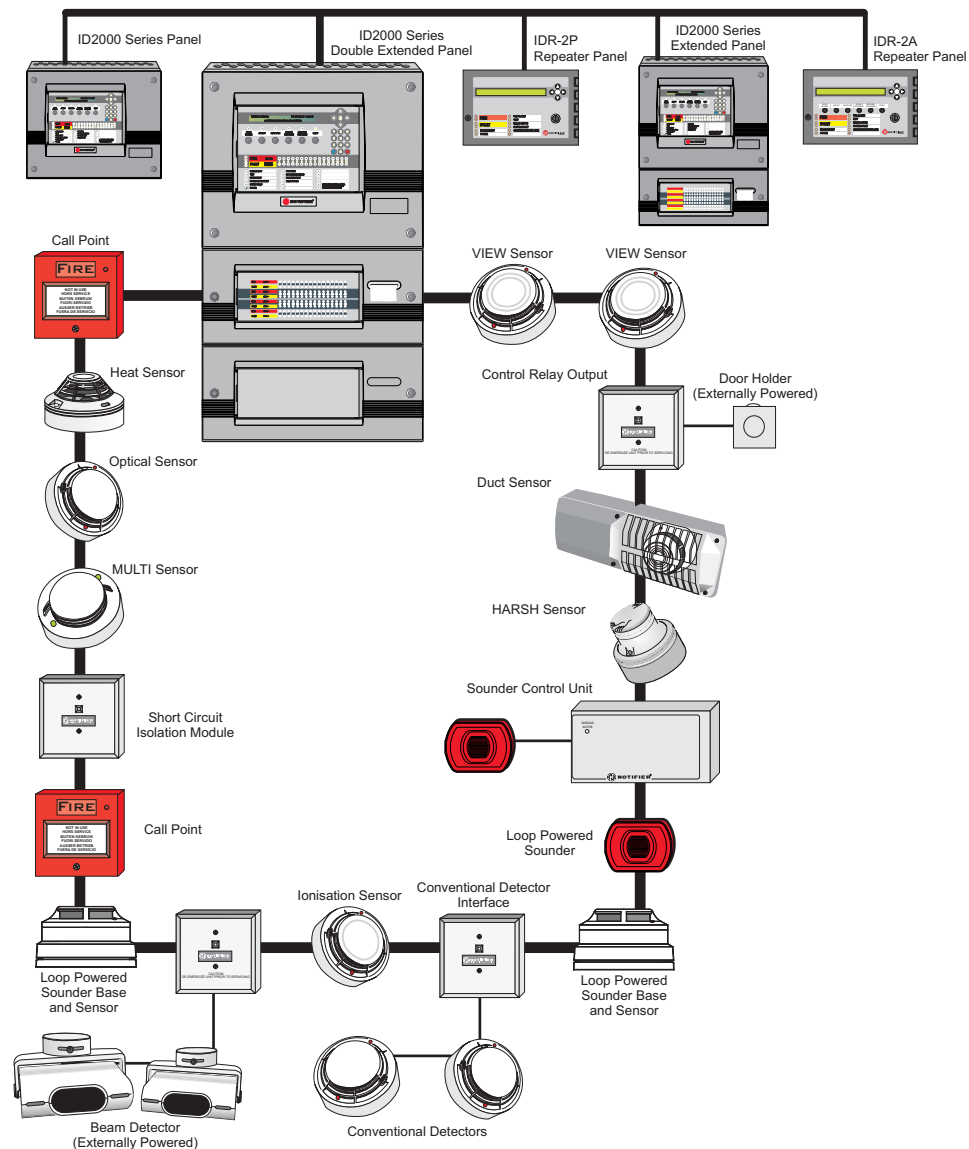
• Battery Space

- ✓ 12Ah with standard back box
- ✓ 17Ah with extended / double-extended back box
- ✓ 38Ah with extended deep / double-extended deep back box
- ✓ 78Ah with Remote Battery / PSU Enclosure



ID2000 SERIES FIRE CONTROL SYSTEM

Master / Slave Network



COMPATIBLE SLC DEVICES

Model	Description		
CPX-551E	Standard Ionisation Sensor	MMX-10	10 Way Monitor Module
CPX-751E	Low Profile Ionisation Sensor	ZMX-1E	Conventional Zone Monitor Module
SDX-551E	Standard Optical Sensor	CMX-2E	Control Module (Monitored or Relay)
SDX-751E	Low Profile Optical Sensor	PS2-CMX	Control Module With PSU and 2 Bell Circuits
HPX-751E	HARSH Optical Sensor	CMX-10R	10 Way Relay Module
FDX-551E	Type A1 Thermal Sensor	ISO-X	Standard Isolator Module
FDX-551HTE	Type B5 Thermal Sensor	MRM-1/(DIN)	Mains Relay Module
FDX-551RE	Type A1R Thermal Sensor	B501	Standard Sensor Base
LPX-751	VIEW high sensitivity intelligent sensor	B524IE	Sensor Base With Standard Isolator
SDX-751TEM	OPTIPLEX Multi-criteria smoke & heat sensor	B524IEFT	Sensor Base With FET Isolator
IDX-751	HAZARD intrinsically safe optical sensor	B254RE	Sensor Base With Relay Output
LPB-500	Loop Powered Beam Detector (TX/RX pair)	B524FTXE	HARSH Sensor Base
LBP-620	Loop Powered Beam Detector	ANS4	Addressable Loop Powered Sounder
M500KAC/GB	Manual Call Point	ANSE4	Addressable Externally Powered Sounder
M500KACW	Weatherproof Manual Call Point	ABS4	Addressable Loop Powered Sounder Base
MMX-1E	Monitor Module	ABSE4	Addressable Externally Powered Sounder base
MMX-101E	Mini Monitor Module	IBS3	Addressable Loop Powered Base Sounder with Built-in Sensor Base
MMX-102E	Micro Monitor Module		
		AWS3/R	Addressable Loop Powered Wall Sounder Red
		AWS3/W	Addressable Loop Powered Wall Sounder
		White	

**Some devices may be under development.
Contact NOTIFIER for device availability.**