



features

- certified to EN54 parts 2 and 4
- expandable from 2 to 8 loop capacity
- up to 198 devices per loop (99 sensor and 99 modules)
- 255 fire zones per panel
- modular design
- supports NOTIFIER'S advanced detection such as:
 - VIEW[™]
 - OptiPlex
 - HARSH[™]
 - HAZARD™
- 9 levels of sensitivity
- "Autolearn" facility
- network option
 - ID²net (Peer to Peer)
 - Master/Slave
- programmable from the panel keypad or PC
- 240 x 64 pixel graphic LCD display
- degraded mode of operation
- variety of mounting options
- flexible time programming

introduction

The NOTIFIER ID3000 intelligent fire alarm panel offers a technically sophisticated range of facilities and functions whilst remaining easy to install, program and operate. Modern styling and a variety of aesthetic options are sure to win over facility owners and architects. It has been 3rd party certified to the current EN54 standards part 2 and 4.

Advanced design and manufacturing techniques coupled with NOTIFIER's 50 plus years of experience at the forefront of the fire industry, ensure that the ID3000 sets new standards in many areas such as product functionality, flexibility, user friendliness and reliability; in short everything you expect from the world leaders in modern life safety systems. A full range of intelligent sensors, advanced detection products, input and output devices, repeaters, mimic drivers, printers and other peripherals complement the ID3000 to bring you the most complete and versatile fire alarm system in the market place.

The ID3000 panels can be networked together either as a true peer to peer network or in a Master / Slave network, extending the total capacity of the system to fit the largest applications.

The ID3000 is designed in a modular fashion to allow for a wide range of applications, facilitating installation and servicing whilst making the ID3000 very easy to tailor to the requirements of the application. The large LCD graphic provides easy to read and understand messages complying with the EN54 standard for primary user interfaces.





system

The NOTIFIER ID3000 intelligent fire alarm panel is ideally suited for large facilities such as shopping malls, schools, office buildings, hospitals, hotels, factories and large warehouses. With its expansion capability the ID3000 provides control of 2 to 8 loops with each loop having a capacity of 198 devices (99 sensors and 99 modules). The modular design of the ID3000 allows the user to tailor the panel to their exact application requirements. Three sizes of power supplies are available (2.5A, 4.5A and 7A) to cater for the needs of small, medium and large systems. Internal and external printer options, a variety of mounting options and the optional loop and communication expansion modules all provide a high degree of flexibility during initial design with a ready-made expansion path for the future.



The 240 x 64 pixel graphic LCD combined with simple menu driven user interface bring full system monitoring and control functions at the fingertips of the system operator. The graphic LCD fully meets the mandatory requirements of EN54 for primary indications, however, if desired, zone status indicator LED's can also be added for up to 255 zones per panel to give the user additional status indicators.

The ID3000 provides redundant processing exceeding the requirements of stringent EN54 requirements. In addition to a system microprocessor, each ELIB (Enhanced Loop Interface Board) is independently controlled by a separate powerful microprocessor. In the event of a system failure the ELIBs continue to fully supply fire cover. Under the EN54 rules, detection point limit with the ELIB is 1584 point max per panel.



configuration

The NOTIFIER ID3000 is a fully on-site programmable intelligent fire alarm panel. It can be programmed either from the panel keypad, or from a personal computer using the off-line configuration tool.

An "Auto-Learn" facility allows the user to install and commission a standard system with the minimum of effort. A "virtual" keyboard on the LCD will allow the user to enter any text message or description from the panel.

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If a more complex "Cause & Effect" matrix is required the ID3000 may be programmed to meet individual site requirements by means of the powerful "Control By Event" (CBE) rules. Using CBE rules, site specific requirements such as plant shutdown, fire door control, smoke control, phased evacuation, point/zone isolation, point to output controls and many others can be programmed with relative ease. Devices can be grouped into a total of 255 zones per panel for control and monitoring purposes. Furthermore, the CBE rules can be initiated and combined through flexible time programs.

The ID3000 can be programmed to compensate for the differences in the use of the areas where the smoke sensors are utilised. A total of 9 different sensitivity levels can be assigned to individual smoke sensors thereby allowing the system designer to closely match the sensor's response to the environment in which the device is located. Using time programs, different sensitivity settings can be selected at different times of the day. For example, to avoid false alarms, smoke sensor sensitivity can be lowered during the day when a meeting room is likely to be used by smokers and set back to a high sensitivity during the night time when the premises are unoccupied.

System security and integrity is an important aspect of the ID3000. The cover of the ID3000 cannot be removed without a special tool and an optional tamper switch can be installed to protect against unauthorised cover removal. Furthermore, two levels of Password protection makes it virtually impossible for unauthorised people to access the panel and its manual controls and change system configuration. Alternatively the key-switch can be used to enable/disable level 2 access. All configuration data is retained in non-volatile memory and is, therefore, protected against complete failure of the power supply.



The ID²net (Intelligent Digital Delivery Network) from NOTIFIER is truly a quantum leap in fire networking technology. It has been developed to exceed international requirements and to set new industry standards in the areas of speed, reliability, robustness and flexibility. **ID²net the network of tomorrow, today.**

The ID²net functions without burdening the attached fire panel and peripherals. In fact, since the attached fire panels are removed from all networking responsibilities, they perform faster and are 100% fully dedicated to advanced alarm detection and alarm processing. Each network gateway module on the ID²net has an on-board powerful microprocessor responsible for the network integrity, including fault detection, message integrity, priority messaging, supervision, confirmed delivery messaging, high speed transfer and diagnostics.

The ID²net enables the use of up to 100 nodes, with up to 32 networked ID3000 eight loop fire alarm panels. This provides an astounding system capacity of 50,688 addressable points, (25,344 smoke detectors, 25,344 input and/or output modules and/or loop powered sounders), 8160 network zones, and up to 170 km of network cabling. Furthermore, the ID²net supports fibre optics; simply connect the NOTIFIER fibre optic card to the network gateway module and a mixture of wire cable and fibre optic cable can be applied if desired.

Detection and recovery mechanisms from open and short circuits, as well as earth faults, are totally reliable and exceed the EN-54. Each communication path between nodes are electrically isolated, so that no ground loop problems exist. Digital based communications offers added levels of noise immunity even in the harshest, noisiest environments.

"True" peer to peer performance is provided in many ways. Because of the ultra high speed of the ID²net, the network appears to be invisible. A very large network has the feel of one single fire panel. Complex CBE (Control by Event) configured and integral to each attached fire panel, can travel across the network at speeds so high they allow multiple decisions by multiple panels in the blink of an eye. This opens tremendous possibilities in varied real world applications never before thought possible. In the event of multiple network faults, as with an open or short circuit between nodes, "mini networks" are established and continue to function as normal. For example, in the case of an open circuit between buildings and on the connecting ring in the other direction, the panels inside each building continue to communicate with one another and any CBE between them operates as intended.





master/slave network

The ID3000 Master/Slave network is an RS485 serial data link and can support up to 32 network stations. Up to a maximum of 8 stations can be ID3000 panels with the rest being repeater and mimic driver stations. The network supports general control functions such as Reset, Silence, Mute, Evacuate and more specific functions such as Point/Zone Isolate, Walk Test, Zone Event Broadcast and Control by Event (CBE) across the network. Full system monitoring and control is easily achieved from the Master control panel.

The ID3000 Master/Slave network remains compatible with NOTIFIER's ID1000 and ID2000 intelligent control panels. However, as the ID1000 and ID2000 do not support all of the functionality offered by the ID3000, the network will be limited within the ID1000 and/or the ID2000 functionality.



mounting options

A wide variety of mounting options is available with the ID3000. The basic back-box options (standard, single extended and double extended) with matching bezels lend themselves to surface mounting and flush mounting alike. A full range of 19-inch rack mounting assemblies address the needs of more industrial type installations.

As with all other ID series intelligent fire alarm panels from NOTIFIER, the ID3000 comes in the Black/Grey NOTIFIER colour as standard. A light grey cover and bezel option with a high quality velvety finish and a stainless steel cover and bezel option with clean bright looks are also available for more architecturally challenging sites. In areas where visibility is important or where local codes require the full range of back-boxes, covers and bezels are also available in red. The modular 19-inch rack mounting range combines the industrial versatility of 19-inch rack mounting with the aesthetically pleasing looks of the ID series panels. A combination of 3U and 6U size mounting assemblies is available for the various modules.

repeater and mimic driver

The IDR Series repeaters and mimic drivers complement the ID Series intelligent fire alarm panels. By placing repeaters and/or graphical mimic display panels at strategic points in the facility – such as nurse stations, floor landings, gatehouse or control rooms – valuable time can be saved when identifying the location of a fire and/or evacuating the building. The repeaters also provide additional system control and monitoring positions for the system users.



B = MIMIC DRIVER C = MIMIC TERMINATION

run diagnostics tests on the repeater. For security, a key switch on the front of the repeater enables function keys.

The mimic is a highly versatile product that allows tremendous flexibility in configuring large numbers of system status LED's, relays and programmable digital inputs. Up to 31 mimics can be attached to the ID3000 via an RS485 communication link. Utilising the maximum capabilities of a full array of 31 mimics, 15872 LED's or relay driven outputs, 1736 high current outputs and 248 digital inputs are available. Each mimic consists of a microprocessor based mimic control board and up to 8 flexible driver boards. Each driver board provides 64 LED or low current relay drivers, 8 high current driven outputs and 8 programmable digital inputs typically used for Mute, Lamp Test, Enable, Reset, Silence or other. Termination boards are also available to simplify wiring of LED's relays and other devices to each driver board





The IDR6A Active Repeater Panel combines a compact design with a 240 x 64 pixel graphics LCD, system control buttons in surface or flush mounting options. The large LCD replicates the display on the ID3000 panel and utilises the same simple menu driven user interface as the ID3000 panel. The control buttons and navigation keys on the repeater provide the operator with the ability to navigate through menu options and event displays. Furthermore it allows the user to remotely reset the system, acknowledge events, silence sounders, resound sounders, initiate evacuation and to



graphical display and control system UniNet-ID

The ID3000 is fully compatible with the UniNet-ID[™] graphics system. This will allow up to two hundred ID3000 systems to be connected to a single UniNet-ID[™] server. Up to 10 servers may also be networked together using standard TCP/IP providing a single system gateway to a large ID3000 system.

UniNet-ID[™] is the next generation in advanced technology to monitor and control fire and other facility information over a LonWorks[™] network. The LonWorks[™] network supports a variety of network topologies and media (wire, fiber-optic, etc.) and is an industry standard open architecture.

The UniNet-ID[™] Workstation Software is the operator interface to the UniNet-ID[™] System. The workstation features standardised plug-in applications, allowing continued expansion of workstation and network functions. These applications can add new features to the software, implement features specific to certain devices, or even add situation and facility specific features. The ID3000 plug-in provides the user complete control over all points in the system and includes: Acknowledge, Silence, Resound, Reset, Disable Zone, Enable Zone, Disable Device, Enable Device, Test Zone, Terminate Test & Evacuate.

The UniNet-ID[™] will also allow a combination of these functions to be added together in a 'Macro'. This will allow the systems provider to customise the workstation to provide functions such as disable multiple plant shut

downs from a single push button. All functions may be disabled at various levels of security access.

The workstation uses Microsoft[®] Windows[®] 98, providing an easy to use and learn graphical user interface. The operator is presented with a consistent look and operation for all monitored equipment. The workstation features customisable screens and allows a wide variety of configuration options for any situation.







Charles Avenue **Burgess Hill** W. Sussex **RH15 9UF**

T: +44 (0) 1444 230 300 F: +44 (0) 1444 230 888 E: sales@notifierfiresystems.co.uk www.notifierfiresystems.co.uk

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