



ID60

series
intelligent
fire alarm
panels

features

- **LPCB approved to EN54 Parts 2 and 4**
- **One loop capacity (99 sensors and 99 modules)**
- **16 fire zones, 16 non fire zones**
- **Supports advanced detection such as**
 - **VIEW™**
 - **HARSH™**
 - **OptiPlex**
 - **HAZARD™**
- **64 CBE rules**
- **10 Pre-alarm levels per sensor**
- **9 Alarm levels per sensor**
- **Drift compensation**
- **Maintenance alert**
- **Automatic High Test**
- **Day / Night mode facility**
- **Time programs**
- **Class Change**
- **“Autolearn” facility**
- **One man “walk test”**
- **2 x 40 character backlit LCD**
- **Active and passive repeaters**
- **Programmable from the panel keypad or PC**
- **Supports loop powered sounders & relays**
- **Two on board sounder circuits**
- **Two on board configurable outputs**

introduction

The NOTIFIER ID60 Series Single Loop intelligent fire alarm panel, has been developed for both installers and end users with efficiency in mind, offering a technically advanced range of facilities and functions while remaining easy to install, program and operate. Three models are available in the ID60 series. The compact ID60, the ID61 with internal printer option and a larger separate power supply and the ID62 with internal printer option, a larger separate power supply and added space for 72 hours battery back up.

The ID60 series supports NOTIFIER's unique Very Intelligent Early Warning (VIEW™) technology. Combined with the patented AWACS™ (Advance Warning Addressable Combustion Sensing) and DIG (Dynamic Intelligent Grouping) algorithms, the ID60 series provides the most cost-effective, stable and reliable early warning systems without the need to use costly aspirating detection systems.

system

The NOTIFIER ID60 series intelligent fire alarm panel is ideal for sites where very high detection sensitivity is part of the requirement, making the ID60 series the choice for buildings containing computer rooms and control rooms etc.



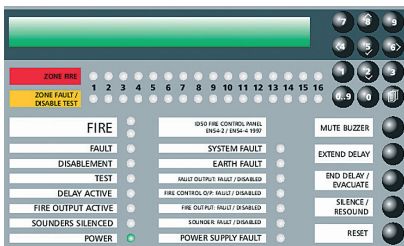
The ID60 series provides control of 99 heat, smoke, multi-criteria or VIEW™ sensors, and a combination of 99 call points, monitor modules, control modules, conventional device interface modules, loop powered beam detectors and sounders on a single loop.

In addition to the 16 zone fire/fault and 15 general status information LEDs, the ID60 series has a 2 x 40 character, backlit LCD with variable viewing angle for easy reading. User-definable text messages can be read directly from the panel to provide details of fire, non fire and fault event locations.

configuration

The NOTIFIER ID60 series are self-contained, on-site programmable, intelligent fire alarm panels. They can be programmed either from the panel keypad or from a personal computer using the off-line Windows, based configuration tool. An "Auto-Learn" facility allows the user to install and commission a standard system with a minimum of effort.

The ID60 series can be programmed to compensate for the diverse environments in which the smoke sensors are used,



thereby allowing the system designer to closely match the sensor's response to the environment in which the device is located. Using time programs, these sensitivity settings are selected at different times of the day. For example, to avoid unwanted alarms, smoke sensor sensitivity can be reduced during the day when a meeting room is likely to be used by smokers and returned to a high sensitivity during the night when the premises are unoccupied.



The panel software can be upgraded on site via a personal computer using the NOTIFIER flash-programming tool, making it very easy to update existing sites with the latest features without changing "chips".

System security and integrity is an important aspect of the ID60 series. User controls on the front panel are protected by up to 10 individually configurable passwords making it virtually impossible for unauthorised people to access the panel and its manual controls or change the system configuration.

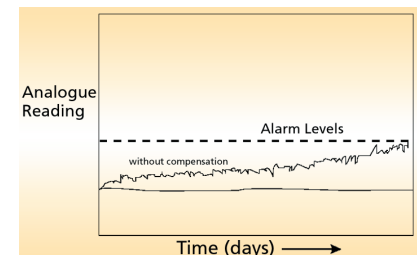
Alternatively, the key-switch can be used to enable/disable level 2 access. All configuration data is retained in non-volatile memory and is, therefore, protected against complete loss of the power supply.

using VIEW™ with the ID60

The NOTIFIER VIEW™ sensor provides a revolutionary advance in early warning smoke detection technology. The unique design of this sensor, combined with enhanced AWACSTM & DIG algorithms in the NOTIFIER ID60 series intelligent fire alarm panels, allows smoke detection superior to that of Aspiration Systems, yet provides detection that is easy to maintain, adaptable and 100% addressable.

Using the enhanced patented AWACSTM & DIG algorithms, the ID60 series provides Drift Compensation, Maintenance Alert, Sensitivity Adjustment, Self-Optimizing Pre-Alarm, Dynamic Intelligent Grouping, Lint Trap and Reference Detecting.

Drift Compensation



The AWACSTM algorithms identify and compensate for long-term changes in the analog readings from each VIEW™ sensor. Long-term changes are usually caused by dust accumulation inside the

sensor chamber making the sensor more sensitive. Drift compensation allows the sensor to retain its original ability to detect actual smoke, and resist false alarms, even as dust accumulates.

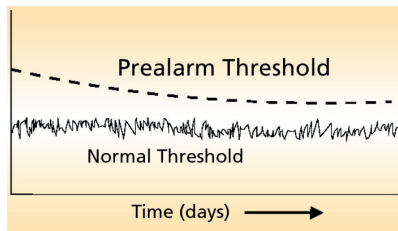
Maintenance Alert

When the drift compensation performed on a sensor reaches a certain level, the performance of the sensor may be compromised, and a maintenance alert is given, indicative of dust accumulation that is near but below the allowed limit. The maintenance alert level allows maintenance of the sensor before the performance of the sensor is compromised.

Sensitivity Adjustment

Nine sensitivity levels are provided for alarm detection. These levels can be set manually, or can change automatically between day and night. 10 levels of pre-alarm sensitivity can also be selected, based on predetermined levels of alarm. Pre-alarm operation can be latching or self-restoring, and can be used to activate special control functions that are a subset of the alarm control program.

Self-Optimizing Pre-Alarm



Each VIEW[™] sensor may be set for "Self-Optimizing" pre-alarm. In this special mode, the sensor "learns" its normal environment, measuring the peak analogue readings over a long period of time, and sets the pre-alarm level just above these normal peaks. By using this option the VIEW[™] sensors can be set to an extremely high pre-alarm sensitivity.

Dynamic Intelligent Grouping

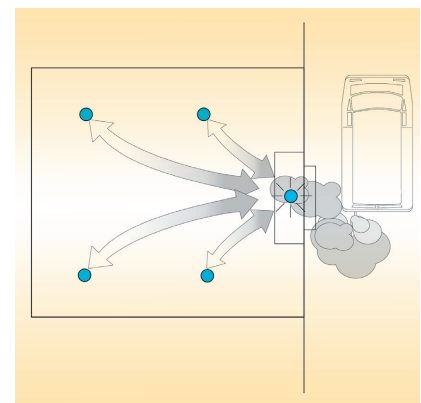
A unique feature of the DIG algorithms is the ability of a VIEW[™] sensor to consider readings from other VIEW[™] sensors in making alarm or pre-alarm decisions. Using logic algorithms, each VIEW[™] sensor can include up to 98 other sensors in its decision, increasing its sensitivity to actual smoke by a factor of almost 2 to 1, furthermore, the risk of false alarms is decreased when grouping the VIEW[™] sensors.

Lint Trap

When two or more VIEW[™] sensors are grouped together using the Dynamic Intelligent Grouping feature, the ID60 series has the capability to ignore a sudden alarm signal from ONLY one (1) sensor in the group, caused by dirt or dust.

Reference Detecting

By placing a VIEW[™] sensor in the incoming air supply to the protected area, monitoring any pollution of the air, the ID60 series can be programmed to automatically compensate for poor air quality caused by car exhaust, bonfires etc.



The models

ID60



With A compact enclosure (380mm x 365mm x 110mm) and a single PCB with onboard power supply (1.5A), the ID60 provides the user with an easy to install/maintain Fire Alarm System.

ID61



The ID61 is housed in a slightly larger enclosure (500mm x 400mm x 110mm) than the ID60 to accommodate for an internal mounted printer. A larger separate power supply (3A) is fitted in the ID61 to cater for the more power hungry applications.

ID62



The ID62 is housed in a large enclosure (500mm x 620mm x 208mm) to accommodate for an internal mounted printer and space for up to 42AH batteries for 72 hours battery backup. A larger separate power supply (3A) is fitted in the ID62 to cater for the more power hungry applications and to provide enough power to support 72 hours of battery (42AH) backup should the mains AC power fail.

Two front covers are provided on the ID62. One is fitted at the top part of the enclosure and one is fitted at the bottom part of the enclosure, thereby allowing for easy installation and maintenance of the panel, printer and batteries.

repeater and mimic driver

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 IDR series repeater panels combine a compact design with a 2 x 40 character LCD. The LCD replicates the display on the ID60 panel and uses the same, simple, menu-driven user interface. The control buttons and keys on the repeaters enable the operator to navigate through the menu options and event displays. The nine LED indicators provide the user with a quick summary of the general system status. The repeater's compact design makes it very easy to install and commission in either surface mount or flush applications. The repeaters can store up to 150 most-recent events, therefore making commissioning very easy. Two models are available:

a) IDR2A active repeater:



The IDR2A active repeater will repeat the LCD & LED indications on the main fire alarm panel and allow the operator to command the system using system control push-buttons such as Mute Buzzer, Accept, Evacuate, Silence Sounders, Resound Sounders and Reset. The following, configuration and test functions are provided: Edit Normal Message, Lamp Test, LCD Test and Buzzer Test. In addition to these

NOTIFIER
international
offices



UK



AUSTRALIA



BENELUX



BRAZIL



CANADA



CHILE



CHINA



GERMANY



HONG KONG



INDIA



ITALY



JORDAN



LEBANON



MEXICO



POLAND



SINGAPORE



SOUTH AFRICA



SPAIN



SWEDEN



USA



VENEZUELA

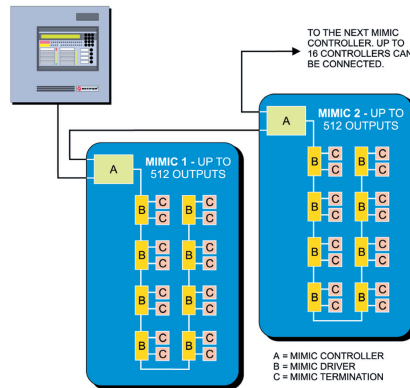
standard test functions, the IDR2A repeater has Power Diagnostics and a Push-button Test option.

b) IDR2P passive repeater



The IDR2P passive repeater is an indication-only repeater with no controls. The LCD and the common system status LED's follow the indication on the main fire alarm panel. The IDR2P has the same configuration and standard test

functions as the IDR2A active repeater.



c) Mimic

The mimic is a highly versatile product which allows tremendous flexibility in configuring large numbers of system status LED's, relays and programmable digital

inputs. Up to 16 mimics can be attached to the ID60 series via an RS485 communication link. Utilising the maximum capabilities of a full array of 16 mimics, 8192 LED or relay driver outputs, 896 high current outputs and 128 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 driver 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.

 **NOTIFIER**[®]
by Honeywell

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

local distributor



Every care has been taken in the preparation of this data sheet but no liability can be accepted for the use of the information therein. Design features may be changed or amended without prior notice.

available only from your NOTIFIER Engineered System Distributor

Ref: 570(0206)