NUMENS
Professional Safety Products

Fire Detection and Fire Alarm
Products for Life Safety and Property
Protection Applications

About Us

Company Profile

Formed in 2010, Numens is an established supplier of professional safety products for fire detection and alarm systems. Numens supplies an extensive range of addressable, non-addressable and residential products for life safety and property protection applications. Offering over 350 products and supplying to more than 570 customers around the globe, we are committed to establishing long-term relationships with our customers and suppliers.

Standards and Approvals

Standards and approvals are important to us, giving customers additional confidence of the performance and reliability of our products. We are certified to ISO 9001:2015 and our products carry approvals to major European and North American Standards.
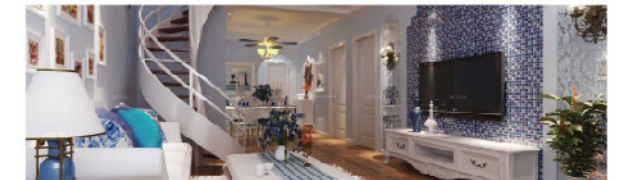
CONTENTS

Addressable Fire Alarm System

Audio/Visual Alarm

Alarm Bell

Audio/Visual Alarm

Audible Alarm

32 Zone Indicator Card

Remote LED Display Card

Detection Zone Output Card

2-Loop Expasion Card

Repeater Panel

Network Interface Card

Repeater Panel

Network Interface Card
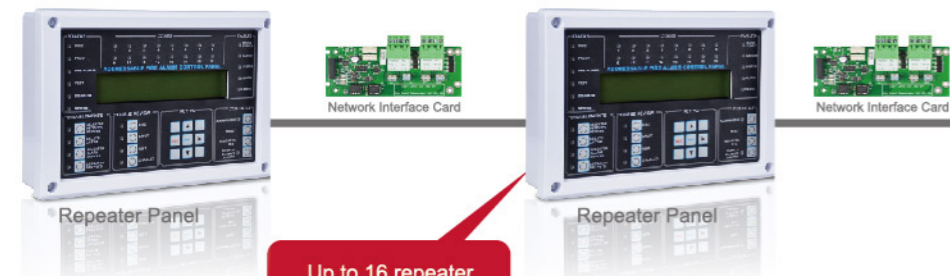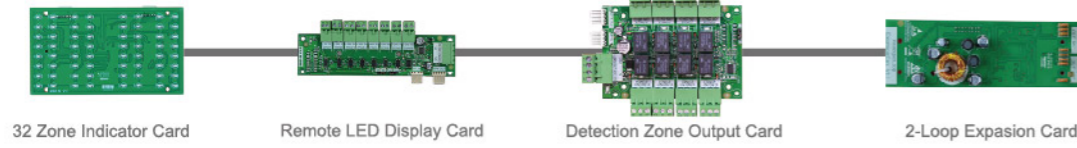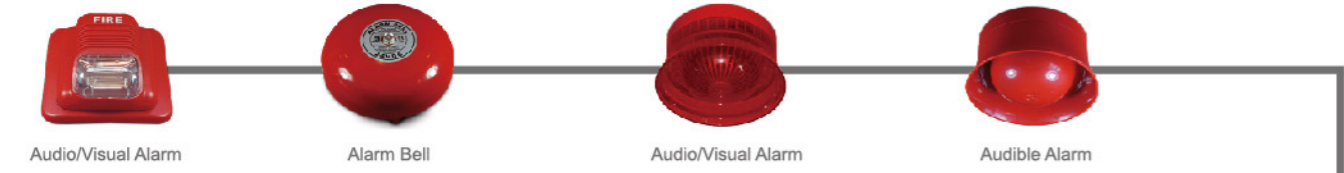
Up to 16 repeater panels supported

Supports two loops, internally expandable to 4 or 6 loops

6002 Addressable Control Panel
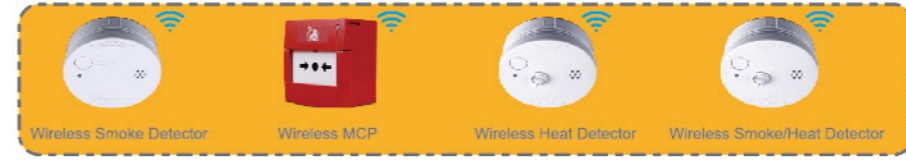
Up to 12 panels can be added to the network

Wifi Interface

GSM Module

Wireless Smoke Detector

Wireless MCP

Wireless Heat Detector

Wireless Smoke/Heat Detector

Flow Indicator

Signal Valve

6002 Addressable Control Panel

MCP with Wireless Node

Audio/Visual Alarm

Audible Alarm

Input Module

Heat Detector

Smoke Detector

Manual Call Point

Smoke/Heat Detector

Alarm Zone Input Module

Smoke Detector

Remote Indicator

Smoke/Heat Detector

Manual Call Point

Supports 125 or 250 addressable devices per loop

Loop Isolator

Alarm Control Module

Audible Alarm

Visual Alarm

Audio/Visual Alarm

Sounder Base

Mini Output Module

Mini Input Module

Mini Input Module

Input/Output Module

Audible Alarm

MCP

Smoke Detector

Smoke Exhaust Fan

Safety Exit Indicator
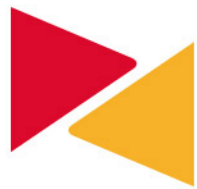
Introduction

Numens addressable fire detection and alarm systems are microprocessor controlled state-of-the-art products. The range includes control and indicating equipment, detectors, modules and manual call points.

Up to 125 devices can be connected to each alarm zone loop, providing a flexible alarm zone configuration solution to suit most building configuration requirements. Devices use problem-free DIP switch address setting.

The Numens range of addressable products provides fire detection and alarm system designers with premium products for life safety and property protection applications.

Addressable Control and Indicating Equipment

Control and indicating equipment forms the central hub of the fire detection and alarm system. Products are available as single or multiple-loop models. Networkable models provides a flexible and powerful solution for small and medium sized applications. Easy to configure and commission, Numens control and indicating equipment helps installers complete the installation with a minimum of time and effort. Designer housing in a small foot-print adds attractiveness to architects and building owners.

Analogue Addressable Multi-sensor Detectors

Analogue addressable photoelectric smoke/heat detectors use a photoelectric smoke sensing chamber in combination with an electronic thermistor to provide early detection of fire and high immunity against unwanted alarms. The heat sensor provides sensitive rate-of-rise operation or fixed-temperature operation when the response threshold value is exceeded. The reliable detectors are ideal for general applications in commercial and industrial buildings.

Analogue Addressable Smoke Detectors

Analogue addressable photoelectric smoke detectors use a photoelectric smoke sensing chamber to provide early detection of smoke and high immunity against unwanted alarms.

Analogue Addressable Heat Detectors

Analogue addressable heat detectors use an electronic thermistor sensor to provide sensitive rate-of-rise alarm operation, or fixed-temperature operation when the response threshold value is exceeded. Note: Hazardous levels of smoke and toxic gas can build up before a heat detector might operate. Where life safety and building evacuation is necessary in the event of a fire, smoke, gas or combination detectors usually provide earlier warning than heat detectors alone.

Detector Bases and Accessories

The range of bases are suitable for 2-wire fire detection and alarm systems. Both functional and passive bases provides fire detection and alarm system designers with Standards-compliant, flexible solutions.

Loop isolators allow up-stream detectors to continue to work, even in the case of a short-circuit fault in the alarm zone loop wiring. Remote indicators provide visual alarm indication when the connected detector enters the alarm condition. The indicator is useful where the detector cannot be easily seen when installed in the building.

Addressable Manual Call Points

Manual call points have integral alarm indicators that illuminates when the manual call point has been activated. Operation is achieved through the use of a pressure-activated displacement element, which provides a safe and convenient way for building occupants to manually initiate a fire alarm condition. Resetting the manual call point is achieved by inserting a key to return the operating face to the quiescent position.

Addressable Modules

The range of modules provides both input and output control for fire detection and alarm systems. Both dry contact and opto-isolated outputs are available to drive audio/visual alarm devices and relays. Some inputs are specifically designed to connect non-addressable detectors to the Numens addressable loop. Three miniature sized modules complement the range to provide convenient space-saving solutions.

Addressable Product Approvals

The following products have been third-party assessed for the relevant Standards compliance. New assessments are currently underway, so check our website for the latest information. Other products have been designed to comply with the relevant Standards.

Model	Description	EN 54-2	EN 54-4	EN 54-5	EN 54-7	EN 54-11	Page
6002-01	Control and Indicating Equipment	✓	✓	—	—	—	4
SNA-360-S2	Smoke detector	—	—	—	✓	—	8
SNA-360-SL	Smoke detector, remote LED output	—	—	—	✓	—	8
HNA-360-H2	Heat detector	—	—	✓	—	—	8
HNA-360-HL	Heat detector, remote LED output	—	—	✓	—	—	8
SNA-360-C2	Smoke/heat detector	—	—	✓	✓	—	8
SNA-360-CL	Smoke/heat detector, remote LED output	—	—	✓	✓	—	8
660-001	Manual call point	—	—	—	—	✓	9

Standards Reference

EN 54-2 *Fire detection and fire alarm systems. Control and indicating equipment*
EN 54-4 *Fire detection and fire alarm systems. Power supply equipment, relay output*
EN 54-5 *Fire detection and fire alarm systems. Heat detectors. Point detectors*
EN 54-7 *Fire detection and fire alarm systems. Smoke detectors. Point detectors using scattered light, transmitted light or ionization*
EN 54-11 *Fire detection and fire alarm systems. Manual call points*

6002 Control and Indicating Equipment

- Two addressable loops
- Supports 125 addressable devices per loop
- Supports wireless detection devices
- Automatic device detection on start-up
- Automatic device type-code verification
- 128 configurable zones
- 32 zone fire alarm LED indicators
- 32 addressable audio/visual alarm devices per loop
- 2 independently programmable non-addressable sounder output circuits
- Manual activation of alarm devices
- Configurable timer to delay Fire Alarm Condition output activation
- 2 programmable unmonitored Fire Alarm Condition relay outputs
- 1 programmable unmonitored Fault Condition relay output
- Supervised auxiliary DC 24 V output
- 4 Access Levels
- Configurable day/night mode
- Backlit LCD display providing 4 rows of 40 characters
- 3000 event history log
- Multiple language support
- Attractive designer enclosure available in cream or red
- Surface mounting
- Easy installation
- Supports up to 16 repeater panels

For complete specifications, see datasheet 31-0065

The 6002 analogue addressable control and indicating equipment forms the central part of a fire detection and alarm system. The 6002 is compatible with Numens addressable devices and supports up to 125 devices per loop. Non-addressable devices can also be connected to the 6002, when used with addressable input modules. The 6002 is fitted with 2-loops.

Default configuration programming facilitates out-of-box installation and rapid commissioning. A powerful and versatile cause-and-effect PC-based programming tool enables rapid customization with software for sites that require special operating features.

The 6002 control and indicating equipment provides fire detection and alarm system designers with a premium product for life safety and property protection applications.

Ordering Information

Part Number	Cream Enclosure	Red Enclosure
6002-01	✓	—
6002-11	—	✓

6002 2-loop Expansion Card

The 6002 loop expansion card provides two additional analogue addressable loops to expand the device capacity of the 6002 control and indicating equipment. Non-addressable devices can also be connected to the 6002 2-loop expansion card, when used with addressable input modules.

The 6002 2-loop expansion card provides fire detection and alarm system designers with the increased device capacity required for medium and larger life safety and property protection applications.

- Two analogue addressable loops
- Supports 125 addressable devices per loop
- Supports both Numens SP and TP loop protocols
- Easy installation

For complete specifications, see datasheet 31-0066.

Ordering Information

6002-02
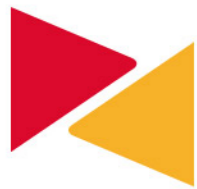
6004 Control and Indicating Equipment

$C \in$

- Single loop, expandable to 2-loops, or 2-loops available
- Networkable, up to 4 control panels
- Supports up to 125 addressable devices per loop
- Automatic device detection on start-up
- Automatic device type-code verification
- 2 independently programmable non-addressable sounder output circuits
- 2 programmable relay outputs
- Fault relay output
- Remote disable and evacuation inputs
- Backlit LCD display providing 4 rows of 40 characters
- 16 zone fire alarm LED indicators
- 3000 event history log
- Rugged metal enclosure in white or red

For complete specifications, see datasheet 31-0073.

The 6004 analogue addressable control and indicating equipment forms the central part of a fire detection and alarm system. The fully networkable 2-wire 6004 is compatible with Numens addressable devices and can also be connected to non-addressable devices when used with addressable input modules.
Default configuration programming facilitates out-of-box installation and rapid commissioning. A powerful and versatile cause-and-effect PC-based programming tool enables rapid customization with software for sites that require special operating features.
The 6004 comes standard with features that allows flexibility and expandability.
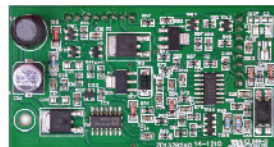The 6004 control panel provides fire detection and alarm system designers with a premium product for life safety and property protection applications.

Ordering Information

Part Number	1 Loop	2 Loop
6004-01	✓	—
6004-02 [a]	✓	✓
6004-03	—	✓

[a] Explandable to 2 loops

6001 1-Loop Expansion Card

$C \in$

The 6001 1-loop expansion card is used with the 6001-05 control panels to add an additional loop, and up to 125 devices to the base panel.

- Compatible with 6001-05 control panel
- Supports up to 125 devices
- Easy installation and configuration

Ordering Information
6001-06

6000 Graphics Display software

Numens Graphics software has two parts: graphics design software and graphics display software.

Numens Graphics Design Software is an engineering design software, which is used to establish the relationship between the alarm device and the floor plan.

Numens Graphics Display Software is a fire alarm graphic display and remote control software. After importing the project file produced by graphics design software, the graphics display interface will be executed, which is very convenient and easy to operate.

Ordering Information
6000-03

685 Wi-Fi Interface

$C \in$

The 685 Wi-Fi interface provides a wireless transmission path between compatible control and indicating equipment and a wireless local area network (WLAN) access point.
The connection of CIE to the WLAN through the Wi-Fi interface enables wireless connection of authorized PCs to CIE. A dedicated application running on smart phones provides additional monitoring and control through the Internet.
The 685 Wi-Fi interface provides fire detection and alarm system designers with the a fully functional interface to configure and monitor the operation of the fire detection and alarm system.

- Connects by Wi-Fi to wireless local area network (WLAN)
- Powered from CIE auxiliary supply
- RS-232 data transmission path to CIE
- Internal antenna
- Surface mounting
- Easy installation

For complete specifications, see datasheet 31-0100.

Ordering Information
685-001

623 GSM Module

$C \in$

The 623 GSM module connects to compatible control and indicating equipment and sends fire detection and alarm system status messages to pre-configured mobile telephone numbers. A standard SIM (not supplied) is required to be installed in the 623, and an antenna is included for connection to the mobile telephone network. The 623 is powered from a DC 24 V power source available from the CIE.
The 623 GSM module provides fire detection and alarm system designers with an economical and reliable method to transmit CIE status messages to building engineers and others who desire immediate notification of changes in the status of the CIE.

- Compatible with Numens control and indicating equipment
- RS-232 data connection port to CIE
- Reload control, to restore factory settings
- Green LED normal operation indicator
- Red LED power indicator
- Powered from CIE auxiliary DC 24 V supply output
- USB interface for firmware updates
- Easy installation
- Low maintenance

For complete specifications, see datasheet 31-0107.

Ordering Information
623-001
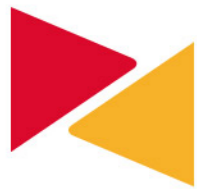
6001 Repeater Panel

CE

The 6001 addressable DC repeater panel extends the 6001 addressable control and indicating equipment display to a remote location. The repeater panel is compatible with all Numens 6001 control panels and can be powered from the existing DC 24 V supply.

The repeater panel comes standard with features that allows flexibility and expandability. Default configuration programming facilitates out-of-box installation and rapid commissioning.
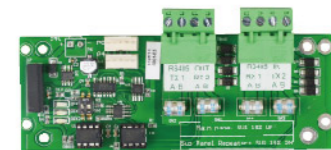
- Networkable, up to 4 control panels
- Backlight LCD display providing 4 rows of 40 characters
- 16 zone fire alarm LED indicators
- Attractive designer enclosure available in white
- Recessed mounting
- Easy installation

For complete specifications, see datasheet 31-0054.

Ordering Information
6001-08

6001 Network Interface Card

CE

The 6001 network interface card is used to form a ring network of Numens control panels and repeaters. Robust data communications uses separate transmit and receive transmission paths to provide superior reliability. The transmission paths are constantly monitored for fault conditions in the wiring. A single fault will continue to allow network communications.

- RS-422/RS-485 data communications protocol
- Ring topology
- Monitoring of short- and open-circuit conditions in the transmission path
- Fault-tolerant transmissions allows continuous data communications with a single fault in the transmission path

For complete specifications, see datasheet 31-0048.

Ordering Information
6001-03

6001 Remote LED Display Card

CE
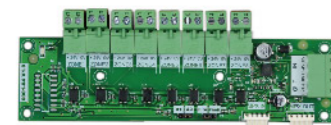
The 6001 remote LED display card is used to repeat the discrete LED indications of Numens control panels. Sixteen discrete LEDs can be configured to display multiple Alarm and Fault conditions, or system status conditions remotely from the control panel.
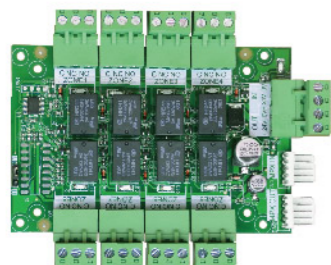
- Configurable for 8-zone LED display of Alarm and Fault conditions
- Configurable for 16-zone LED display of Alarm conditions
- Configurable for 16 LED display of system status conditions
- High intensity, low power consumption LEDs

For complete specifications, see datasheet 31-0049.

Ordering Information
6001-04

6001 Detection Zone Output Card

CE

The 6001 detection zone 8-relay output card provides relay output contacts that activate when the associated control and indicating equipment detection zone displays an Alarm Condition. Each 6001 detection zone 8-relay output card provides normally-open and normally-closed voltage-free output contacts.

6001 detection zone 8-relay output cards provide fire detection and alarm system designers with a flexible solution for life safety and property protection applications.

- Activates relay output contacts when the control and indicating equipment enters the Alarm Condition for the designated detection zone
- Eight assignable voltage-free relay output contacts
- Normally-open and normally-closed relay outputs
- Jumper-configurable to operate with detection zones 1 ~ 8 or 9 ~ 16
- Connects to MPX bus
- Powered from external DC 24 V supply
- Easy installation

For complete specifications, see datasheet 31-0052.

Ordering Information
6001-07

SNA-360 Smoke Detector

CE

SNA-360 analogue addressable photoelectric smoke detectors are microprocessor controlled state-of-the-art detectors suitable for connection to Numens addressable fire detection control and indicating equipment. Up to 125 detectors can be connected to each alarm zone loop.

Advanced electronics in conjunction with a photoelectric smoke sensing chamber provides early detection of fire and high immunity against unwanted alarms.

The SNA-360 analogue addressable detector range provides fire detection and alarm system designers with a premium smoke detector for life safety and property protection applications.

- Advanced algorithms provide analogue detection discrimination
- High immunity against unwanted alarms
- Stable smoke sensing chamber. No adjustment or replacement required
- Dual LEDs for 360° visibility
- Convenient 2-wire connection
- Easy installation with simple address setting DIP switches
- 125 usable detector address settings per loop
- Optional remote LED output
- Low maintenance

For complete specifications, see datasheet 31-0042.

Ordering Information

Part Number	Remote Indicator
SNA-360-S2	—
SNA-360-SL	✓

HNA-360 Heat Detector

CE

HNA-360 analogue addressable heat detectors are microprocessor controlled state-of-the-art detectors compatible with popular control and indicating equipment loop protocols.

An electronic thermistor sensor provides sensitive rate-of-rise alarm operation, or fixed-temperature operation when the response threshold value is exceeded.

- Durable heat sensor
- Analogue detection discrimination
- Dual LEDs for 360° visibility
- DC 24 V operation
- 2-wire connection to many popular loop protocols
- DIP switch address setting
- 125 usable detector address settings per loop
- Optional remote LED output

For complete specifications, see datasheet 31-0040.

Ordering Information

Part Number	Remote Indicator
HNA-360-H2	—
HNA-360-HL	✓

SNA-360 Smoke/Heat Detector

CE

SNA-360 analogue addressable photoelectric smoke/heat detectors are microprocessor controlled state-of-the-art detectors compatible with popular control and indicating equipment loop protocols. Up to 125 detectors can be connected to each alarm zone loop.

Advanced electronics in conjunction with a photoelectric smoke sensing chamber and an electronic thermistor provide early detection of fire and high immunity against unwanted alarms. The heat sensor provides sensitive rate-of-rise operation or fixed-temperature operation when the response threshold value is exceeded.

- Photoelectric smoke and heat sensors
- Analogue detection discrimination
- Dual LEDs for 360° visibility
- DC 24 V operation
- 2-wire connection to many popular loop protocols
- DIP switch address setting
- 125 usable detector address settings per loop
- Optional remote LED output

For complete specifications, see datasheet 31-0042.

Ordering Information

Part Number	Remote Indicator
SNA-360-C2	—
SNA-360-CL	✓
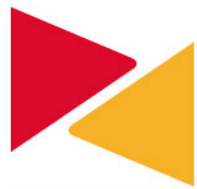
Addressable Manual Call Points

660 Manual Call Point

♥ CE

660 manual call points connect to addressable fire detection CIE. Up to 125 devices can be connected to each alarm zone loop using the addressable loop communications protocol.
A pressure-activated displacement element provides a safe and convenient way for building occupants to manually initiate a fire alarm condition.
All models have an integral alarm indicator that illuminates when the manual call point has been activated. The indicator can also be configured to flash when polled by the fire detection CIE.
In the event of a short-circuit fault in the loop transmission path, an optional integral isolator ensures the normal operation of down-stream connected devices. A yellow LED indicates when the isolator is active.
Resetting the manual call point is achieved by inserting a key through the underside of the unit to replace the operating face to the quiescent position.

- Pressure activated displacement element provides a safe user experience
- Integral indicator to show polling and alarm activation
- Resettable with simple key operation
- Suitable for indoor use
- DC 24 V operation
- Compatible with 2-wire fire detection and alarm systems
- Monitors for quiescent, alarm and fault conditions
- Integral loop isolator with LED activation indicator available on some models
- Easy installation with simple address setting DIP switches
- Low maintenance

For complete specifications, see datasheet 31-0032.

Ordering Information

Part Number	Loop Isolator
660-001	—
660-005	✓

460 Weather-proof Enclosure

CE

460-009 manual call point enclosures provide a weather proof enclosure for Numens addressable and non-addressable system manual call points. Access to the manual call point is provided by an easy-to-operate pull-down lever, to unlock the hinged transparent cover.
Resetting the manual call point is achieved by inserting a key through the underside of the unit to replace the operating face to the quiescent position.
The 460-009 weather proof enclosure provides fire detection and alarm system designers with a premium solution for outdoor life safety and property protection applications.

- Robust enclosure
- IP-65 rating
- Suitable for outdoor use
- Compatible with Numens addressable and non-addressable manual call points
- Easy installation
- Low maintenance

For complete specifications, see datasheet 31-0078.

Ordering Information
460-009

Addressable Alarm Devices and Accessories

640 Audio/Visual Alarm Device

CE

The 640 addressable audio/visual alarm devices are suitable for connection to 2-wire addressable fire detection and alarm systems. 640 is loop-powered and activation is initiated by a dedicated initiation message from the control and indicating equipment. Up to 32 devices can be connected to each alarm zone loop.

- Visual, audible and audio/visual models available
- Red or white body available for audible alarm device
- Loop-powered from control and indicating equipment
- Operates when a dedicated activation message is received from the control and indicating equipment
- Loud sounder output of 85 dB at 1 m
- Long-life LEDs
- Low quiescent current
- DIP switch address setting

For complete specifications, see datasheet 31-0051.

Ordering Information

Part Number	Audible Alarm	Visual Alarm	White
640-001	✓	—	—
640-002	✓	—	✓
640-003	—	✓	—
640-004	✓	✓	—

680 Loop Isolator

CE

The 680 loop isolator provides electrical isolation of alarm zone wiring for addressable fire detection control and indicating equipment. The use of the 680 as part of the detector zone wiring ensures that short-circuit faults in the alarm zone loop wiring disable a minimum number of detectors.

- Automatic operation
- Automatic reset
- DC 24 V operation
- Compatible with 2-wire fire detection and alarm systems
- LED activation indicator

For complete specifications, see datasheet 31-0033.

Ordering Information
680-001

681 Remote Indicator

CE

The 681 remote indicator is used to identify the detector in alarm, and is useful where the detector cannot be easily seen when installed in the building.

- Easily seen when in the alarm condition
- Wide operating voltage
- Easy installation with no adjustments required

For complete specifications, see datasheet 31-0034.

Ordering Information
681-001

684 Device Manager

CE

The 684 addressable device manager is a configuration tool used with Numens addressable devices. It is a hand-held alternative to connecting addressable device to CIE and enables checking and setting of operating parameters.
The 684 has a durable plastic housing, with a high-contrast LCD to display device operating parameters. Durable controls enable the user to navigate through configurable parameters and read from or write settings to the connected device. Rechargeable user-replaceable batteries provide long operating life. A low battery indication on the LCD prompt users to change primary cells, or recharge secondary cells.
The 684 addressable device manager provides fire detection and alarm system installers with a quick and convenient tool to check and set device parameters.

- Read and write operating parameters to Numens addressable devices
- Rugged plastic housing
- High-contrast LCD
- Intuitive menu to quickly navigate to device-specific parameters
- Connected device digital command test function
- Integral LED for detector remote indicator
- Battery status indication
- Rechargeable user-replaceable batteries with long operating time
- Auto sleep inactivity timer saves battery power
- Low battery indicator
- Manual power control

For complete specifications, see datasheet 31-0070.

Ordering Information
684-001
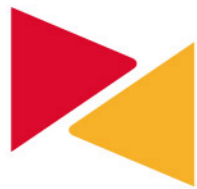
Addressable Detector Bases

CN30 Low Profile passive Base

CN30 low profile 102 mm diameter bases are used with 2-wire and 4-wire fire detection and alarm system detectors. The range includes a continuity feature that maintains the alarm zone circuit wiring continuity when a device is removed from the base.

The low-profile bases are suitable for installation on surfaces where the device connection cable can penetrate the mounting surface.

The range of bases provides fire detection and alarm system designers with Standards-compliant products that are easy to install and that provide a reliable connection to the connected device.

- Secure mounting to all surfaces
- Cable entry points through the rear
- Alarm zone circuit continuity models available
- Plated contacts for durable connection to detectors
- Fitted square washer to easy and reliable cable clamping
- Terminals suitable for (0.4 ~ 2.5) mm² diameter wiring
- Low maintenance

For complete specifications, see datasheet 31-0119.

Ordering Information

Part Number	4-Terminal	8-Terminal	Compatible Devices
CN302A	✓	—	SNA-360-S2/ HNA-360-H2/ SNA-360-C2
CN304A	—	✓	SNA-360-SL/ HNA-360-HL/ SNA-360-CL

487 low profile passive Base

487 low profile 99 mm diameter bases are used with 2-wire and 4-wire fire detection and alarm system devices. Models are available for both detectors and audio/visual alarm devices (in red). The range includes a continuity feature that maintains the alarm zone circuit wiring continuity when a device is removed from the base.

The low profile bases are suitable for installation on surfaces where the device connection cable can penetrate the mounting surface.

The range of bases provides fire detection and alarm system designers with Standards-compliant products that are easy to install and that provide a reliable connection to the connected device.

- Secure mounting to all surfaces
- Cable entry points through the rear
- Available in both white and red
- Alarm zone circuit continuity models available
- Plated contacts for durable connection to detectors
- Fitted square washer to easy and reliable cable clamping
- Terminals suitable for (0.4 ~ 2.5) mm² diameter wiring
- Low maintenance

For complete specifications, see datasheet 31-0117.

Ordering Information

Part Number	3-Terminal	4-Terminal	Continuity	White	Red	Compatible Devices
487-003	✓	—	✓	✓	—	640A/V Alarm, White
487-004	✓	—	✓	—	✓	640 A/V Alarm, Red
487-005	—	✓	—	✓	—	680 Loop Isolator

682 Isolator Base

The 682 isolator base provides electrical isolation of alarm zone wiring for addressable fire detection control and indicating equipment. The use of the 682 as part of the alarm zone wiring ensures that short-circuit faults in the alarm zone loop wiring disable a minimum number of devices.

- Automatic operation/reset
- LED activation indicator
- Surface-mount device (SMD) circuit board design
- Secure mounting to all surfaces
- Flexible mounting pitch
- Low profile
- Plated contacts for durable connection to detectors
- Fitted square washer to easy and reliable cable clamping
- Terminals suitable for (0.4 ~ 2.5) mm² diameter wiring
- Low maintenance

For complete specifications, see datasheet 31-0063.

Ordering Information

Part Number	5-Terminal	9-Terminal	Compatible Devices
682-003	✓	—	SNA-360-S2/ HNA-360-H2/ SNA-360-C2
682-004	—	✓	SNA-360-SL/ HNA-360-HL/ SNA-360-CL

Addressable Detector Bases

481 High Profile Base

481 high profile 102 mm diameter bases are used with 2-wire and 4-wire fire detection and alarm system detectors. The range includes continuity feature that maintains the alarm zone circuit wiring continuity when a device is removed from the base. The high profile bases are suitable for installation on solid surfaces, with both rear or side-entry entry.

The range of bases provides fire detection and alarm system designers with Standards-compliant products that are easy to install and that provide a reliable connection to the connected device.

- Secure mounting to all surfaces
- Cable entry points through the rear or side
- Alarm zone circuit continuity models available
- Plated contacts for durable connection to detectors
- Fitted square washer to easy and reliable cable clamping
- Terminals suitable for (0.4 ~ 2.5) mm² diameter wiring
- Low maintenance

For complete specifications, see datasheet 31-0118.

Ordering Information

Part Number	4-Terminal	8-Terminal	Compatible Devices
481-001	✓	—	SNA-360-S2/ HNA-360-H2/ SNA-360-C2
482-003	—	✓	SNA-360-SL/ HNA-360-HL/ SNA-360-CL

683 Audio/Visual Alarm Base

The 683 addressable audio/visual alarm base is a loop-powered device that provides a fire alarm warning to building occupants. The integration of the audio/visual function with a detector base may displace the need to install separate audio/visual alarm devices.

Models with an integrated isolator provides electrical isolation of loop wiring for addressable fire detection control and indicating equipment. The isolator function ensures that short-circuit faults in the alarm zone loop wiring disables a minimum number of devices.

- Visual, audible and audio/visual models available
- Audible alarm output adjustable up to 85 dB at 1 m
- Easy DIP-switch address setting
- Quick alarm and shadow addressable options are available.
- Optional isolator with both automatic operation and restore
- Compatible with either addressable or non-addressable detectors
- Optional transparent or white cover to finish an installation without a fitted detector.

For complete specifications, see datasheet 31-0064.

Ordering Information

Part Number	Isolator	Audible Alarm	Visual Alarm
683-001 [a]	—	✓	—
683-002 [a]	✓	✓	—
683-003 [a]	—	—	✓
683-004 [a]	✓	—	✓
683-005 [a]	—	✓	✓
683-006 [a]	✓	✓	✓
683-007 [b]	—	✓	—
683-008 [b]	✓	✓	—
683-009 [b]	—	—	✓
683-010 [b]	✓	—	✓
683-011 [b]	—	✓	✓
683-012 [b]	✓	✓	✓

[a] Compatible with Non-addressable Detectors
[b] Compatible with Addressable Detectors

621 Input Module

CE

621 analogue addressable single input modules provide the interface to connect an electrically isolated dry-contact switched inputs to Numens 2-wire addressable fire detection CIE. Up to 125 modules can be connected to each alarm zone loop.

A parallel resistive input filter allows multiple states to be monitored at the input. The states are converted to the loop communications protocol by the module, to enable them to be displayed on the CIE.

The range includes a model with an integral isolator that protects other devices connected to the same transmission path. The isolator activates in the event of a short circuit in the loop wiring.

- Single electrically isolated input for connection to dry contacts
- Monitors and signals three distinct input states: Normal / Alarm / Open-circuit
- Polling indicator shows quiescent operation
- Separate indicators for Quiescent, Alarm and Fault conditions
- Integral isolator model available
- Surface-mount device (SMD) circuit board design
- DC 24 V operation
- Easy installation with simple address setting DIP switches
- Convenient 2-wire connection
- Available with 125 usable address settings per loop when connected to Numens CIE
- Low maintenance

For complete specifications, see datasheet 31-0029.

Ordering Information

Part Number	Loop Isolator
621-001	—
621-005	✓

621 Input/Output Module

CE

621 analogue addressable single input/output modules provide the interface to connect an electrically isolated dry-contact switched input to Numens 2-wire addressable fire detection CIE.

Up to 125 modules can be connected to each alarm zone loop.

A parallel resistive input filter allows multiple states to be monitored at the input. The states are converted to the loop communications protocol by the module, to enable them to be displayed on the CIE.

The range includes a model with an integral isolator that protects other devices connected to the same transmission path. The isolator activates in the event of a short circuit in the loop wiring.

- Single voltage-free relay output
- Single input for connection to dry contact inputs
- Output relay for 621-002 can be powered internally, or externally to conserve loop power load (selectable at installation)
- Monitors and signals three distinct input states: Normal / Alarm / Open-circuit
- Polling indicator shows quiescent operation
- Separate indicators for Quiescent, Alarm and Fault conditions
- Integral isolator model available
- Surface-mount device (SMD) circuit board design
- DC 24 V operation
- Easy installation with simple address setting DIP switches
- Convenient 2-wire connection
- Available with 125 usable address settings per loop when connected to Numens CIE
- Low maintenance

For complete specifications, see datasheet 31-0030.

Ordering Information

Part Number	Loop Isolator
621-002	—
621-006	✓

621 Alarm Zone Input Module

CE

621 addressable alarm zone input modules provide the interface to connect non-addressable input devices (such as detectors or manual call points) to Numens addressable control and indicating equipment.

- Signals normal, alarm and open-circuit alarm zone conditions
- Capable of supplying 35 mA to power non-addressable devices
- Fault condition indicator
- DIP switch address setting
- 125 usable detector address settings per loop

For complete specifications, see datasheet 31-0031.

Ordering Information

Part Number	Loop Power Alarm Zone	External Power Alarm Zone
621-003	✓	—
621-004	—	✓

622 Alarm Control Module

CE

The 622 addressable audio/visual alarm control module is suitable for connection to addressable fire detection and alarm systems.

622 is loop-powered and switches external DC 24 V power to non-addressable audio/visual alarm devices. The switched supply is supervised for open- and short-circuit conditions, and availability.

Up to 32 modules can be connected to each alarm zone loop.

- Single output switches an external DC 24 V source of up to 800 mA.
- Separate indicators for Quiescent, Alarm and Fault conditions
- Polling indicator shows quiescent operation
- Surface-mount device (SMD) circuit board design
- Easy installation with simple DIP switch address setting
- Convenient 2-wire connection
- Available with 32 usable address settings per loop
- Low maintenance

For complete specifications, see datasheet 31-0061.

Ordering Information
622-001

620 Mini Input Module

CE

620 addressable alarm zone mini-modules provide the interface to connect non-addressable input devices (such as detectors or manual call points) to Numens addressable control and indicating equipment.

- Signals normal, alarm and open-circuit alarm zone conditions
- Small size
- Capable of supplying 13 mA to power non-addressable devices
- DC 24 V operation
- DIP switch address setting
- 125 usable detector address settings per loop

For complete specifications, see datasheet 31-0027.

Ordering Information

Part Number	White	Red	Detector Input	Dry Contact Input
620-001	✓	—	✓	—
620-002	—	✓	—	✓

620 Mini Output Module

CE

620 addressable output mini-modules provide the interface to connect non-addressable output devices (such as audio/visual alarm devices) to Numens addressable control and indicating equipment.
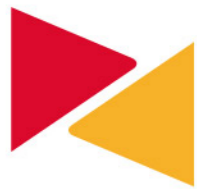
- Ideal for control of audio/visual alarm devices
- Signals normal and short-circuit alarm zone conditions
- Small size
- Capable of supplying 35 mA to power non-addressable devices
- DC 24 V operation
- DIP switch address setting
- 32 usable detector address settings per loop

For complete specifications, see datasheet 31-0028.

Ordering Information
620-003

601 Wireless Smoke Detector

CE

601 photoelectric smoke detectors are microprocessor controlled state-of-the-art detectors, suitable for connection to Numens 2-wire addressable fire detection control and indicating equipment.
601 smoke detectors use a wireless transmission path to connect to a node located on the addressable loop. Up to 32 detectors may be connected to the node.
The detector includes an internal sounder to provide a local alarm signal. If the detector is removed from its base, a fault signal will be released to the control and indicating equipment.
If the wireless transmission path is interrupted, the detector will operate as a stand-alone smoke alarm.
Advanced electronics in conjunction with a photoelectric smoke sensing chamber provides early detection of fire and high immunity against unwanted alarms.
An user-replaceable battery provides 5 years of normal operation.
The 601 detector range provides fire detection and alarm system designers with a flexible smoke detector/sounder for life safety and property protection applications.

- Wireless transmission path
- Internal antenna
- Photoelectric smoke sensing chamber technology
- Loud 85 dB sounder to alert occupants
- Integrated indicator provides visual indication of an alarm condition
- Test button verifies battery and detector operation
- Hush function temporarily silences unwanted alarms
- Test and Hush visual indicator
- Smoke chamber fault audible and visual indication
- Hush function temporarily silences smoke chamber fault indication
- Internal power
- Low battery audible and visual warning indication
- Hush function temporarily silences low battery audible indication
- Up to 32 devices can be connected to the wireless node.
- User-replaceable battery provides up to 5 years operation under normal conditions

For complete specifications, see datasheet 31-0097.

Ordering Information
601-002

601 Wireless Heat Detector

CE

601 heat detectors are microprocessor controlled state-of-the-art detectors, suitable for connection to Numens 2-wire addressable fire detection control and indicating equipment.
601 heat detectors use a wireless transmission path to connect to a node located on the addressable loop. Up to 32 detectors may be connected to the node.
The detector includes an internal sounder to provide a local alarm signal.
If the detector is removed from its base, a fault signal will be released to the control and indicating equipment. If the wireless transmission path is interrupted, the detector will operate as a stand-alone heat alarm.
Advanced electronics provides early detection of excessive heat and high immunity against unwanted alarms.
An user-replaceable battery provides 5 years of normal operation.
The 601 detector range provides fire detection and alarm system designers with a flexible heat detector/sounder for life safety and property protection applications.

- Wireless transmission path
- Internal antenna
- Fixed temperature and rate-of-rise operation using electronic thermistors with microprocessor control
- Loud 85 dB sounder to alert occupants
- Integrated indicator provides visual indication of an alarm condition
- Test button verifies battery and detector operation
- Hush function temporarily silences unwanted alarms
- Test and Hush visual indicator
- Heat sensor fault audible and visual indication
- Hush function temporarily silences heat sensor fault indication
- Internal power
- Low battery audible and visual warning indication
- Hush function temporarily silences low battery audible indication
- Up to 32 devices can be connected to the wireless node.
- User-replaceable battery provides up to 5 years operation under normal conditions

For complete specifications, see datasheet 31-0098.

Ordering Information
601-003

601 Wireless Smoke/Heat Detector

CE

601 photoelectric smoke/heat detectors are microprocessor controlled state-of-the-art detectors, suitable for connection to Numens 2-wire addressable fire detection control and indicating equipment.
601 smoke/heat detectors use a wireless ransmission path to connect to a node located on the addressable loop. Up to 32 detectors may be connected to the node. The detector includes an internal sounder to provide a local alarm signal.
If the detector is removed from its base, a fault signal will be released to the control and indicating equipment. If the wireless transmission path is interrupted, the detector will operate as a stand-alone smoke/heat alarm.
Advanced electronics, in conjunction with a photoelectric smoke sensing chamber and heat sensor, provides early detection of fire and high immunity against unwanted alarms.
An user-replaceable battery provides 5 years of normal operation.
The 601 detector range provides fire detection and alarm system designers with a flexible smoke/heat detector/sounder for life safety and property protection applications.

- Wireless transmission path
- Internal antenna
- Photoelectric smoke sensing chamber technology
- Fixed temperature and rate-of-rise operation using electronic thermistors with microprocessor control
- Loud 85 dB sounder to alert occupants
- Integrated indicator provides visual indication of an alarm condition
- Test button verifies battery and detector operation
- Hush function temporarily silences unwanted alarms
- Smoke chamber and heat sensor fault audible and visual indication
- Hush function temporarily silences smoke chamber or heat sensor fault indication
- Internal power
- Low battery audible and visual warning indication
- Hush function temporarily silences low battery audible indication
- Up to 32 devices can be connected to the wireless node.
- User-replaceable battery provides up to 5 years operation under normal conditions

For complete specifications, see datasheet 31-0096.

Ordering Information
601-001

660 Manual Call Point with Wireless Node

CE

660 manual call points with wireless node connects to addressable fire detection CIE. Up to 62 devices can be connected to each addressable loop.
660-002 include a wireless node used to connect to wireless devices to compatible CIE.
A pressure-activated displacement element provides a safe and convenient way for building occupants to manually initiate a fire alarm condition.
All models have an integral alarm indicator that illuminates when the manual call point has been activated. The indicator can also be configured to flash when polled by the fire detection CIE.
Resetting the manual call point is achieved by inserting a key through the underside of the unit to replace the operating face to the quiescent position.

- Pressure activated displacement element provides a safe user experience
- Integral indicator to show polling and alarm activation
- Resettable with simple key operation
- Suitable for indoor use
- Integral wireless transmission path node with internal antenna
- Electronic loop address setting
- DC 24 V operation
- Compatible with 2-wire fire detection and alarm systems
- Monitors for quiescent, alarm and fault conditions
- Easy installation with simple address setting DIP switches
- Low maintenance

For complete specifications, see datasheet 31-0101.

Ordering Information
660-002

660 Wireless Manual Call Point

CE

660 wireless manual call points use a wireless transmission path to connect to Numens addressable fire detection CIE via a wireless node. Up to 32 devices can be connected to each addressable node.
A pressure-activated displacement element provides a safe and convenient way for building occupants to manually initiate a fire alarm condition.
All models have an integral alarm indicator that illuminates when the manual call point has been activated. The indicator can also be configured to flash when polled by the fire detection CIE.
An internal battery provides 10 years of normal operation.

- Wireless transmission path
- Internal antenna
- Pressure activated displacement element provides a safe user experience
- Integral indicator to show polling and alarm activation
- Resettable with simple key operation
- Electronic loop address setting
- Suitable for indoor use
- Non-replaceable battery provides up to 10 years operation under normal conditions
- Compatible with 2-wire fire detection and alarm systems
- Monitors for quiescent, alarm and fault conditions
- Up to 32 devices can be connected to the wireless node.

For complete specifications, see datasheet 31-0108.

Ordering Information
660-004

Smoke Detector Heat Detector Smoke/Heat Detector Flame Detector Gas Detector Manual Call Point

Audible/Visual Alarm Audible Alarm Audible Alarm Audible Alarm

Smoke Detector Heat Detector Smoke/Heat Detector Flame Detector Gas Detector Manual Call Point

Audible/Visual Alarm Audible Alarm Audible Alarm Audible Alarm

Smoke Detector Heat Detector Smoke/Heat Detector Flame Detector Gas Detector Manual Call Point
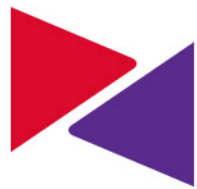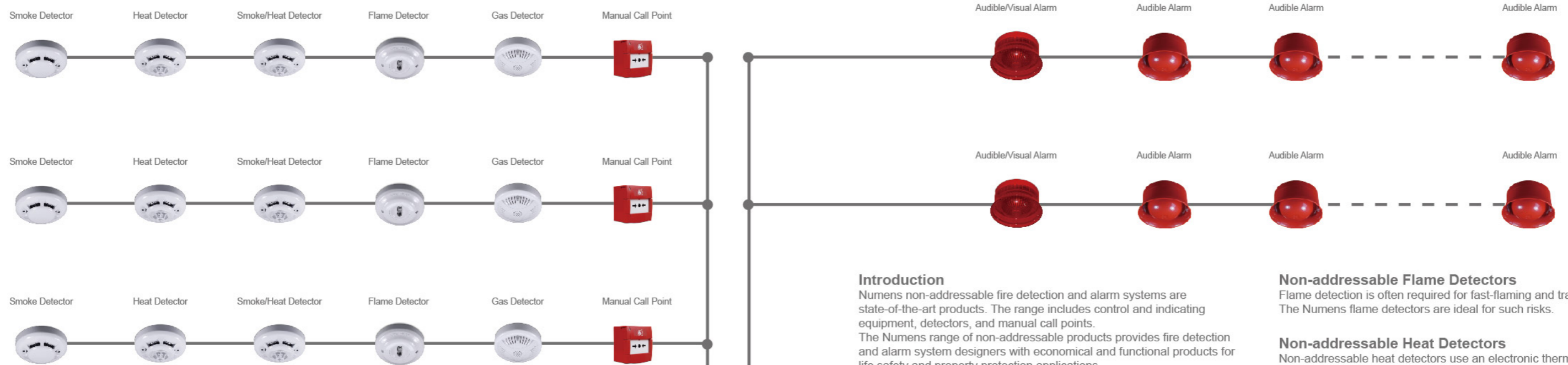
4-8 detection zones available

Up to 32 non-addressable devices per alarm zone circuit

Up to 7 repeater panels supported

Network Interface Card

4001 Repeater Panel

Network Interface Card

4001 Repeater Panel

4003 Non-Addressable Control Panel

Introduction
Numens non-addressable fire detection and alarm systems are state-of-the-art products. The range includes control and indicating equipment, detectors, and manual call points.
The Numens range of non-addressable products provides fire detection and alarm system designers with economical and functional products for life safety and property protection applications.

Non-addressable Control and Indicating Equipment
Control and indicating equipment forms the central hub of the fire detection and alarm system. Products are available as 2-zone and up to 16-zone configuration. Networkable models provides a flexible and powerful solution for small and medium sized applications. Easy to configure and commission, Numens control and indicating equipment helps installers complete the installation with a minimum of time and effort. Designer housing in a small foot-print adds attractiveness to architects and building owners.

Non-addressable Multi-sensor Detectors
Non-addressable photoelectric smoke/heat detectors use a photoelectric smoke sensing chamber in combination with an electronic thermistor to provide early detection of fire and high immunity against unwanted alarms. The heat sensor provides sensitive rate-of-rise operation or fixed-temperature operation when the response threshold value is exceeded. The reliable detectors are ideal for general applications in commercial and industrial buildings.

Non-addressable Smoke Detectors
Non-addressable photoelectric smoke detectors use a photoelectric smoke sensing chamber to provide early detection of smoke and high immunity against unwanted alarms.

Non-addressable Gas Detectors
Advanced electronics in conjunction with a semiconductor gas sensor provide early detection of carbon monoxide, natural gas or propane gases and high immunity against unwanted alarms.

Non-addressable Flame Detectors
Flame detection is often required for fast-flaming and transparent fires. The Numens flame detectors are ideal for such risks.

Non-addressable Heat Detectors
Non-addressable heat detectors use an electronic thermistor sensor to provide sensitive rate-of-rise alarm operation, or fixed-temperature operation when the response threshold value is exceeded.
Note: Hazardous levels of smoke and toxic gas can build up before a heat detector might operate. Where life safety and building evacuation is necessary in the event of a fire, smoke, gas or combination detectors usually provide earlier warning than heat detectors alone.

Non-addressable Detector Bases and Accessories
The range of bases are suitable for 2-wire and 4-wire fire detection and alarm systems. Both functional and passive bases provides fire detection and alarm system designers with Standards-compliant, flexible solutions. Remote indicators provide visual alarm indication when the connected detector enters the alarm condition. The indicator is useful where the detector cannot be easily seen when installed in the building.

Non-addressable Manual Call Points
Operation of manual call points is achieved through the use of a pressure-activated displacement element, which provides a safe and convenient way for building occupants to manually initiate a fire alarm condition. Resetting the manual call point is achieved by inserting a key to return the operating face to the quiescent position.

Non-addressable Audio/Visual Alarm Devices
Alerting building occupants to an unsafe condition isessential to assist with safe evacuation. A robust and effective audio/visual alarm device provides the evacuation signal.

Non-addressable Water Leakage Detectors
Water leakage detection can alert building occupants to flooding, and minimize property damage.

4001 Control and Indicating Equipment

- 2, 4 or 8 detection zones
- Up to 32 non-addressable devices per alarm zone circuit
- Configurable non-latching alarm zones, alarm dependency (zone coincidence detection), and output delay timer
- 3 Access Levels
- Single-person test mode
- Day/night mode
- Manual activation of audio/visual alarm devices
- Supervised auxiliary DC 24 V output
- 2 independently programmable non-addressable A/V alarm output circuits
- 2 programmable Fire Alarm relay outputs
- Fault relay output
- 3 voltage-free inputs for remote reset, evacuation start/stop, and Day/Night mode
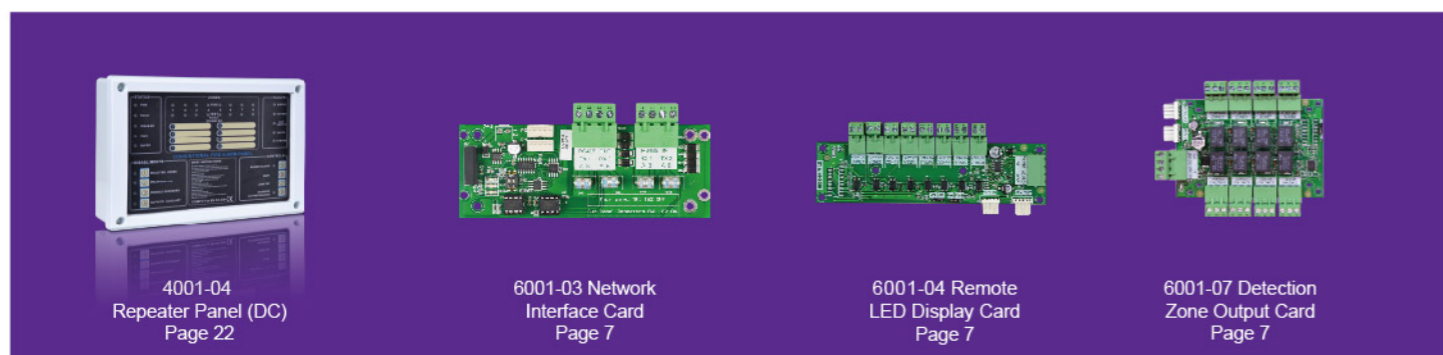- Supports up to 7 Repeater Panels

For complete specifications, see datasheet 31-0002.

The 4001 non-addressable control and indicating equipment forms the central part of a fire detection and alarm system. The 2-wire 4001 is compatible with Numens non-addressable devices.
The 4001 comes standard with features that allows flexibility and expandability. Default configuration programming facilitates out-of-box installation and rapid commissioning.
The 4001 control panel provides fire detection and alarm system designers with an economical product for life safety and property protection applications.

Ordering Information

Part Number	2 Zone Circuits	4 Zone Circuits	8 Zone Circuits
4001-01	✓	—	—
4001-02	—	✓	—
4001-03	—	—	✓

Accessories

4001-04 Repeater Panel (DC) Page 22	6001-03 Network Interface Card Page 7	6001-04 Remote LED Display Card Page 7	6001-07 Detection Zone Output Card Page 7

4003 Control and Indicating Equipment

The 4003 non-addressable control and indicating equipment forms the central part of a fire detection and alarm system. The 2-wire 4003 is compatible with Numens non-addressable devices.
The 4003 comes standard with features that allows flexibility and expandability. Default configuration programming facilitates out-of-box installation and rapid commissioning.
The 4003 control panel provides fire detection and alarm system designers with an economical product for life safety and property protection applications.

- 2, 4 or 8 detection zones
- Networkable, up to 4 control panels
- Up to 32 non-addressable devices per alarm zone circuit
- Configurable non-latching alarm zones, alarm dependency (zone coincidence detection), and output delay timer
- 3 Access Levels
- Single-person test mode
- Day/night mode
- Manual activation of audio/visual alarm devices
- Supervised auxiliary DC 24 V output
- 2 independently programmable non-addressable A/V alarm output circuits
- 2 programmable Fire Alarm relay outputs
- Fault relay output
- 3 voltage-free inputs for remote reset, evacuation start/stop, and Day/Night mode
- Supports up to 7 Repeater Panels

For complete specifications, see datasheet 31-0076.

Ordering Information

Part Number	2 Zone Circuits	4 Zone Circuits	8 Zone Circuits
4003-01/4003-04	✓	—	—
4003-02/4003-05	—	✓	—
4003-03/4003-06	—	—	✓

"4003-01~4003-03" White metal enclosuer
"4003-04~4003-06" Red metal enclosuer
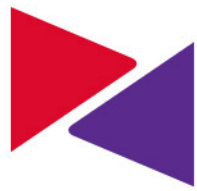
4002 Control and Indicating Equipment

The 4002 16-zone non-addressable control and indicating equipment forms the central part of a fire detection and alarm system. The 2-wire 4002 is compatible with Numens non-addressable devices.
The 4002 comes standard with features that allows flexibility and expandability. Default configuration programming facilitates out-of-box installation and rapid commissioning.
The 4002 control panel provides fire detection and alarm system designers with an economical product for life safety and property protection applications.

- 16 detection zones
- Supports up to 32 non-addressable devices per alarm zone circuit
- Configurable non-latching alarm zones, alarm dependency (zone coincidence detection), and output delay timer
- 3 Access Levels
- Single-person test mode
- Day/night mode configurable
- Manual activation of alarm devices
- Supervised auxiliary DC 24 V output
- 2 programmable non-addressable alarm output circuits
- 2 unmonitored relay contacts for Fire Alarm Condition outputs
- 3 voltage-free inputs for remote reset, evacuation start/stop, and Day/Night mode
- Surface mounting metal enclosure or recessed mounting plastic enclosure
- Supports up to 7 Repeater Panels
- Easy installation

For complete specifications, see datasheet 31-0056.

Ordering Information

Part Number	Metal Enclosure	Plastic Enclosure	White	Red
4002-01	—	✓	✓	—
4002-09	✓	—	✓	—
4002-10	✓	—	—	✓

4004 Control and Indicating Equipment

CE

The 4004 16-zone non-addressable control and indicating equipment forms the central part of a fire detection and alarm system. The 4004 is compatible with Numens non-addressable devices.
The 4004 comes standard with features that allows flexibility and expandability. Default configuration programming facilitates out-of-box installation and rapid commissioning.
The 4004 control and indicating equipment provides fire detection and alarm system designers with an economical product for life safety and property protection applications.

- 2, 4, 8 and 16 detection zone models available
- Backlit LCD display providing 4 rows of 40 characters
- Supports up to 32 non-addressable devices per alarm zone circuit
- Configurable non-latching alarm zones
- Configurable alarm dependency (zone coincidence detection)
- Configurable timer to delay output activation (up to 10 min)
- Capacitor end-of-line device
- Day/night mode configurable
- Supervised auxiliary DC 24 V output
- 2 programmable non-addressable alarm output circuits
- 2 unmonitored relay contacts for Fire Alarm Condition outputs
- 1 unmonitored relay contact for Fault Condition output
- Optional remote LED detection zone displays
- Surface mounting metal enclosure or recessed mounting plastic enclosure
- Supports up to 64 Repeater Panels
- Max expandable to 272 detection zones

For complete specifications, see datasheet 31-0080.

Ordering Information

Part Number	2 Zone Circuits	4 Zone Circuits	8 Zone Circuits	16 Zone Circuits
4004-01/4004-05	✓	—	—	—
4004-02/4004-06	—	✓	—	—
4004-03/4004-07	—	—	✓	—
4004-04/4004-08	—	—	—	✓

"4004-01~ 4004-04" White metal enclosure
"4004-05~ 4004-08" Red metal enclosure

4004 16-zone Expansion Panel

CE

The 4004-09 expansion panel provides 16 detection zones to expand the non-addressable device capacity of 4004 control and indicating equipment.
The 4004-09 comes standard with features that allows flexibility and expandability. Default configuration programming facilitates out-of-box installation and rapid commissioning.
The 4004-09 expansion panel provides fire detection and alarm system designers with an economical product for life safety and property protection applications.

- 16 detection zones
- Supports up to 32 non-addressable devices per alarm zone circuit
- Capacitor end-of-line device
- Supervised auxiliary DC 24 V output
- 2 programmable non-addressable alarm output circuits
- 1 unmonitored relay contacts for Fire Alarm Condition outputs
- 1 unmonitored relay contact for Fault Condition output
- Optional detection zone N/O and N/C relay outputs
- Optional remote LED detection zone displays
- Clear alarm zone LED indicators, with a single indicator for Fault, Disable and Test Condition indication
- Recessed mounting plastic enclosure option
- Easy installation

For complete specifications, see datasheet 31-0087.

Ordering Information
4004-09

4001 8-zone Expansion Card

CE

The 4001-12 expansion card provides 8 detection zones to expand the non-addressable device capacity. The 4001-12 comes standard with features that allows flexibility and expandability. Default configuration programming facilitates out-of-box installation and rapid commissioning.
The 4004-12 expansion panel provides fire detection and alarm system designers with an economical product for life safety and property protection applications.

- 8 detection zones
- Supports up to 32 non-addressable devices per alarm zone circuit
- Capacitor end-of-line device

For complete specifications, see datasheet 31-0085.

Ordering Information
4001-12

4001 Repeater Panel

CE

The 4001 non-addressable DC repeater panel extends the 4001 non-addressable control and indicating equipment display to a remote location. The repeater panel is compatible with all Numens 4001 control panels and can be powered from the existing DC 24 V supply.
The repeater panel comes standard with features that allows flexibility and expandability. Default configuration programming facilitates out-of-box installation and rapid commissioning.
The 4001 DC repeater panel provides fire detection and alarm system designers with an economical product for life safety and property protection applications.

- Up to 8 detection zones can be displayed and controlled
- Clear alarm zone LED indicators, with a single indicator for Fault, Disable and Test Condition indication
- Recessed mounting enclosure
- Powered from the control and indicating equipment DC 24 V supply or an external supply
- Up to 4 repeater panels can be connected to a single control panel

For complete specifications, see datasheet 31-0053.

Ordering Information
4001-04

4002 Repeater Panel

CE

The 4002 non-addressable DC repeater panel extends the 4002 non-addressable control and indicating equipment display to a remote location. The repeater panel is compatible with all Numens 4002 control panels and can be powered from the existing DC 24 V supply.
The repeater panel comes standard with features that allows flexibility and expandability. Default configuration programming facilitates out-of-box installation and rapid commissioning.

- 16 detection zones can be displayed and controlled
- Clear alarm zone LED indicators, with a single indicator for Fault, Disable and Test Condition indication
- Recessed mounting enclosure
- Powered from the control and indicating equipment DC 24 V supply or an external supply
- Up to 4 repeater panels can be connected to a single control panel
- Easy installation

For complete specifications, see datasheet 31-0057.

Ordering Information
4002-02

SNC-300 Smoke Detector

- Advanced algorithms provide analogue detection discrimination
- Surface-mount device (SMD) circuit board design
- High immunity against unwanted alarms
- Stable smoke sensing chamber. No adjustment or replacement required
- 2-wire and 4-wire models for DC 12 V and DC 24 V operation
- 4-wire model for DC 48 V operation
- 2-wire models available with remote LED output
- 4-wire models available with a N/O alarm relay output
- 4-wire model compatible with relay base
- 4-wire models available with auto-reset function
- Connects to zone monitor for use with addressable control and indicating equipment
- Sleek low-profile housing design
- Dual LEDs for 360° visibility

For complete specifications, see datasheet 31-0045.

SNC-300 non-addressable photoelectric smoke detectors are state-of-the-art detectors suitable for connection to 2-wire or 4-wire non-addressable fire detection control and indicating equipment, or to addressable fire detection control and indicating equipment that can accept non-addressable type detectors.
Advanced electronics in conjunction with a photoelectric smoke sensing chamber provide early detection of fire and high immunity against unwanted alarms.

Ordering Information

Part Number	2-wire	4-wire	Remote Indicator	Relay Output	Auto-Reset
SNC-300-S2	✓	—	—	—	—
SNC-300-SL	✓	—	✓	—	—
SNC-300-SR	—	✓	—	✓	—
SNC-300-SRR	—	✓	—	—	—
SNC-300-SR4	—	✓	—	✓	—
SNC-300-SA	—	✓	—	—	✓

Accessories

CN3021/CN3023
Passive Base
Page 27

CN3041/CN3043
Passive Base
Page 27

484 Relay Base
Page 27

481 High Profile Base
Page 28

HNC-310 Heat Detector

HNC-310 non-addressable heat detectors are suitable for connection to 2-wire non-addressable fire detection control and indicating equipment, or to addressable fire detection control and indicating equipment that can accept non-addressable type detectors.
An electronic thermistor provides sensitive rate-of-rise operation or fixed-temperature operation when the response threshold value is exceeded.

- Durable heat sensor
- Analogue detection discrimination
- Dual LEDs for 360° visibility
- 2-wire and 4-wire models for DC 12 V and DC 24 V operation
- Dual LEDs for 360° visibility
- 4-wire models available with a N/O alarm relay output
- 4-wire models available with auto-reset
- 2-wire models available with remote LED output
- Connects to zone monitor for use with addressable control and indicating equipment

For complete specifications, see datasheet 31-0041.

Ordering Information

Part Number	2-wire	4-wire	Remote Indicator	Relay Output	Auto-Reset
HNC-310-H2	✓	—	—	—	—
HNC-310-HL	✓	—	✓	—	—
HNC-310-HR	—	✓	—	✓	—
HNC-310-HA	—	✓	—	—	✓

SNC-300 Smoke/Heat Detector

SNC-300 non-addressable photoelectric smoke/heat detectors are state-of-the-art detectors suitable for connection to 2-wire or 4-wire non-addressable fire detection control and indicating equipment, or to addressable fire detection control and indicating equipment that can accept non-addressable type detectors.
Advanced electronics in conjunction with a photoelectric smoke sensing chamber and an electronic thermistor provide early detection of fire and high immunity against unwanted alarms.
The heat sensor provides sensitive rate-of-rise operation or fixed-temperature operation when the response threshold value is exceeded.

- Photoelectric smoke and heat sensors
- Analogue detection discrimination
- Dual LEDs for 360° visibility
- 2-wire and 4-wire models for DC 12 V and DC 24 V operation
- 4-wire model for DC 48 V operation
- 4-wire models available with a N/O alarm relay output
- 4-wire models available with auto-reset
- 2-wire models available with remote LED output
- Connects to zone monitor for use with addressable control and indicating equipment

For complete specifications, see datasheet 31-0044.

Ordering Information

Part Number	2-wire	4-wire	Remote Indicator	Relay Output	Auto-Reset
SNC-300-C2	✓	—	—	—	—
SNC-300-CL	✓	—	✓	—	—
SNC-300-CR	—	✓	—	✓	—
SNC-300-CR4	—	✓	—	✓	—
SNC-300-CA	—	✓	—	—	✓
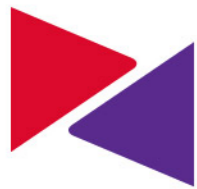
400 CO Detector

400-series non-addressable carbon monoxide (CO) gas alarms are suitable for connection to 2-wire and 4-wire non-addressable fire detection control and indicating equipment. 400 detectors can also connect to 2-wire and 4-wire addressable fire detection control and indicating equipment that can accept non-addressable detectors.
Advanced electronics in conjunction with a semiconductor gas sensor provide early detection of carbon monoxide gas and high immunity against unwanted alarms.

CE

- Japanese Nemoto Electrochemical Accurate Sensor
- Detector auto-reset once gas levels fall below alarm threshold levels
- 2-wire and 4-wire models for DC 12 V and DC 24 V operation
- Magnet-initiated alarm test function
- N/C or N/O alarm relay output
- Loud 85 dB internal sounder
- Connects to zone monitor for use with addressable control and indicating equipment

For complete specifications, see datasheet 31-0012.

Ordering Information

Part Number	2-wire	4-wire	Remote Indicator	Relay Output
400-001	✓	—	—	—
400-002	✓	—	✓	—
400-003	—	✓	—	✓

401 Flame Detector

The 401 non-addressable ultra-violet flame detectors are suitable for connection to 2-wire and 4-wire non-addressable fire detection control and indicating equipment, or to addressable fire detection control and indicating equipment that can accept non-addressable type detectors.
The 401 UV flame detectors are suited to applications where flames rapidly develop due to the nature of the combustible materials, such as where petrochemical products are used or stored.

CE

- High sensitivity UVtron sensor tube technology
- High immunity to electrical noise and RF interference
- Fast response time
- Wide field of view
- Polarity insensitive
- 2-wire and 4-wire models for DC 12 V and DC 24 V operation
- Connects to zone monitor for use with addressable control and indicating equipment

For complete specifications, see datasheet 31-0013.

Ordering Information

Part Number	2-wire	4-wire	Remote Indicator	Relay Output	Auto-Reset
401-001	✓	—	—	—	—
401-002	✓	—	✓	—	—
401-003	—	✓	—	✓	—
401-004	—	✓	—	✓	✓

402 Propane/Natural Gas Detector

402-series non-addressable gas alarms are suitable for connection to 2-wire and 4-wire non-addressable fire detection control and indicating equipment. 402 detectors can also connect to 2-wire and 4-wire addressable fire detection control and indicating equipment that can accept non-addressable detectors.
Advanced electronics in conjunction with a semiconductor gas sensor provide early detection of propane/natural gas with high immunity against unwanted alarms.
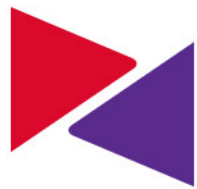
CE

- Japanese Figaro gas sensor (UL approved)
- 2-wire and 4-wire models for DC 12 V and DC 24 V operation
- N/C or N/O alarm relay output
- Loud 85 dB internal sounder
- Connects to zone monitor for use with addressable control and indicating equipment

For complete specifications, see datasheet 31-0014 and datasheet 31-0015.

Ordering Information

Part Number	Propane Gas	Natural Gas	2-wire	4-wire	Relay Output	Remote LED Output
402-001	✓	—	✓	—	—	—
402-002	✓	—	—	✓	✓	—
402-003	—	✓	✓	—	—	—
402-004	—	✓	—	✓	✓	—
402-005	✓	—	✓	—	—	✓
402-006	—	✓	✓	—	—	✓

405 Explosion-proof Flame Detector

The 405 non-addressable explosion proof flame detectors are suitable for connection to 2-wire non-addressable fire detection control and indicating equipment, or to addressable fire detection control and indicating equipment that can accept non-addressable type detectors.
Dual wavelength infrared or solar blind ultraviolet models make the 405 flame detectors suited to applications where flames rapidly develop due to the nature of the combustible materials, such as where petrochemical products are used or stored.

CE

- Dual wavelength infrared and solar blind ultraviolet models available
- High immunity to electrical noise and RF interference
- Fast response time
- Wide field of view
- 35 m detection range
- Adjustable 5-point sensitivity levels
- 6-bit microprocessor
- 2-wire system operation
- DC 24 V operation
- Explosion proof
- Rugged cast aluminium housing
- Easy installation

For complete specifications, see datasheet 31-0077.

Ordering Information

Part Number	Infrared	Ultraviolet
405-001	✓	—
405-002	—	✓
405-001	✓	✓

407 Reflective Beam Line-Type Smoke Detector

CE

The 407 non-addressable reflective beam line-type smoke detector is suitable for connection to 2-wire non-addressable fire detection CIE, or to addressable fire detection CIE that can accept non-addressable type detectors.
The transceiver component includes four selectable detection ranges, providing smoke detection over distances from 8 m to 100 m. Three sensitivity settings can be used to compensate for differences in installed environments.
An integral laser is used to accurately align the beam transmitter with the reflector.
The 407 non-addressable reflective beam line-type smoke detectors provide fire detection and alarm system designers with a Standards-compliant, economical smoke detector for high spaces and areas with complex ceilings where point-type smoke detectors may not be suitable due to environmental conditions.

- Four selectable ranges provide smoke detection for distances from 8 m to 100 m
- Three selectable sensitivity settings
- Single transceiver and reflector components
- Integrated laser alignment tool and display
- Digital display shows light intensity at the eceiver
- Self-diagnostics function monitors internal faults
- Automatic compensation for lens contamination, alignment drift and transmitted beam ageing
- Separate Alarm and Fault relay outputs
- Easy to install and commission
- Low maintenance

For complete specifications, see datasheet 31-0106.

Ordering Information
407-001

CE

487 Passive Base

487 low profile 99 mm diameter bases are used with 2-wire and 4-wire fire detection and alarm system devices. Models are available for both detectors and audio/visual alarm devices (in red). The range includes a continuity feature that maintains the alarm zone circuit wiring continuity when a device is removed from the base.
The low profile bases are suitable for installation on surfaces where the device connection cable can penetrate the mounting surface.

- Secure mounting to all surfaces
- Cable entry points through the rear
- Available in both white and red
- Alarm zone circuit continuity models available
- Plated contacts for durable connection to detectors
- Fitted square washer to easy and reliable cable clamping
- Terminals suitable for (0.4 ~ 2.5) mm² diameter wiring
- Low maintenance

For complete specifications, see datasheet 31-0117.

Ordering Information

Part Number	3-Terminal	5-Terminal	White	Red
487-003	✓	—	✓	—
487-004	✓	—	—	✓
487-007	—	✓	✓	—
487-008	—	✓	—	✓

CN30 Passive Base

CN30 low profile 102 mm diameter bases are used with 2-wire and 4-wire fire detection and alarm system detectors. The range includes a continuity feature that maintains the alarm zone circuit wiring continuity when a device is removed from the base.
The low-profile bases are suitable for installation on surfaces where the device connection cable can penetrate the mounting surface.

- Secure mounting to all surfaces
- Cable entry points through the rear
- Alarm zone circuit continuity models available
- Plated contacts for durable connection to detectors
- Fitted square washer to easy and reliable cable clamping
- Terminals suitable for (0.4 ~ 2.5) mm² diameter wiring
- Low maintenance

For complete specifications, see datasheet 31-0119.

Ordering Information

Part Number	5-Terminal	9-Terminal	UL Approved
CN3021	✓	—	✓
CN3023	✓	—	—
CN3041	—	✓	✓
CN3043	—	✓	—

484 Relay Base

The 484 relay base provides additional voltage-free relay output contacts for 4-wire non-addressable detectors when the detectors enters the Alarm condition. The relay base can be used to activate ancillary equipment.
The range of relay bases provides fire detection and alarm system designers with flexible solutions, including models suitable for mounting on solid ceilings with conduit entry points.

- Single-pole or double-pole C/O relay outputs available
- Compatible with 4-wire fire detection and alarm systems
- Secure mounting to all surfaces
- Flexible mounting pitch
- Low profile
- Cable entry points through the rear of the base
- Plated contacts for durable connection to detectors
- Fitted square washer to easy and reliable cable clamping
- Terminals suitable for (0.4 ~ 2.5) mm² diameter wiring
- Low maintenance

For complete specifications, see datasheet 31-0083.

Ordering Information

Part Number	Single Pole Relay Output	Double Pole Relay Output
484-001	✓	—
484-002	—	✓

CE

481 High Profile Base

The 481 high profile bases are used with 2-wire and 4-wire fire detection and alarm systems that include additional features, such as remote indicator or alarm relay outputs.

- Secure mounting to all surfaces
- Flexible mounting pitch
- Cable entry through the rear of the base
- Plated contacts for durable connection to detectors
- Fitted square washer for easy and reliable cable clamping

For complete specifications, see datasheets 31-0118.

Ordering Information

Part Number	5-Terminal	9-Terminal
481-002	✓	—
481-004	—	✓

460 Manual Call Point

The 460 manual call points includes a pressure-activated displacement element to provide a safe and convenient way for building occupants to manually initiate a fire alarm condition.
Resetting the manual call point is achieved by inserting a key through the underside of the unit to replace the operating face to the quiescent position.
The 460 range of manual call points provide fire detection and alarm system designers with a Standards-compliant, economical product for life safety and property protection applications.

- Pressure activated displacement element provides a safe user experience
- Integral indicator to show polling and alarm activation
- Resettable with simple key operation
- Suitable for indoor use
- Monitors for quiescent, alarm and fault conditions

For complete specifications, see datasheet 31-0022.

Ordering Information
460-002

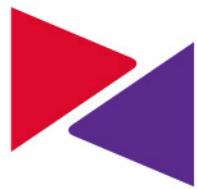## 460 Weather-proof Enclosure

460-009 manual call point enclosures provide a weather proof enclosure for Numens addressable and non-addressable system manual call points.
Access to the manual call point is provided by an easy-to-operate pull-down lever, to unlock the hinged transparent cover.
Resetting the manual call point is achieved by inserting a key through the underside of the unit to replace the operating face to the quiescent position.
The 460-009 weather proof enclosure provides fire detection and alarm system designers with a premium solution for outdoor life safety and property protection applications.

- Robust enclosure
- IP-65 rating
- Suitable for outdoor use
- Compatible with Numens addressable and non-addressable manual call points
- Easy installation
- Low maintenance

For complete specifications, see datasheet 31-0078.

Ordering Information
460-009

Non-Addressable Alarm Devices

440 Alarm Bell

CE

440 non-addressable alarm bells are suitable for connection to 2-wire and 4-wire fire detection and alarm systems. 440 alarm bells will operate with both addressable and non-addressable fire detection control and indicating equipment.
Activation is initiated upon connection of the operating voltage, allowing connection to either a switched supply or via an addressable module.

- Operates when the supply voltage is connected to the device
- Compatible with relay outputs from control and indicating equipment, or from an output module connected to addressable alarm circuit wiring
- DC 24 V operation
- Loud sound output of 95 dB at 1 m
- Zero current load in quiescent condition

For complete specifications, see datasheet 31-0020.

Ordering Information

Part Number	Φ150mm	Φ200mm	Weather-Proof
440-001	✓	—	—
440-002	—	✓	—
440-003	✓	—	✓
440-004	—	✓	✓

441 Non-Addressable Audio/Visual Alarm Device

CE

The 441 audio/visual alarm devices are suitable for connection to 2-wire and 4-wire fire detection and alarm systems. 441 will operate with both addressable and non-addressable fire detection control and indicating equipment.
Activation is initiated upon connection of the operating voltage, allowing connection to either a switched supply or via an addressable module.

- Operates when the supply voltage is connected to the device
- Compatible with relay outputs from control and indicating equipment, or from an output module connected to addressable alarm circuit wiring
- DC 24 V operation
- Loud sound output of 90 dB at 1 m
- Zero current load in quiescent condition
- Long-life strobe light

For complete specifications, see datasheet 31-0021.

Ordering Information
441-001

442 Non-Addressable Audio/Visual Alarm Device

CE

The 442 audio/visual alarm devices are suitable for connection to 2-wire and 4-wire fire detection and alarm systems. 442 will operate with both addressable and non-addressable fire detection control and indicating equipment.
Activation is initiated upon connection of the operating voltage, allowing connection to either a switched supply or via an addressable module.

- Visual, audible and audio/visual models available
- Red or white body available for audible alarm device
- Operates when the supply voltage is connected to the device
- Compatible with relay outputs from control and indicating equipment, or from an output module connected to addressable alarm circuit wiring
- DC 24 V operation
- Loud sounder output of 85 dB at 1 m
- Long-life LEDs
- Zero current load in quiescent condition

For complete specifications, see datasheet 31-0050.

Ordering Information

Part Number	Audible Alarm	Visual Alarm	Red	White
442-001	✓	—	✓	—
442-002	✓	—	—	✓
442-003	—	✓	✓	—
442-004	✓	✓	✓	—

Non-Addressable Product Approvals

The following products have been third-party assessed for the relevant Standards compliance. New assessments are currently underway, so check out website for the latest information. Other products have been designed to comply with the relevant Standards.

Control and Indicating Equipments

Model	Description	EN 54-2	EN 54-4	Page
4001-01	Control and indicating equipment, 2 detection zones, Plastic Enclosure	✓	✓	19
4001-02	Control and indicating equipment, 4 detection zones, Plastic Enclosure	✓	✓	19
4001-03	Control and indicating equipment, 8 detection zones, Plastic Enclosure	✓	✓	19
4003-01/4003-04	Control and indicating equipment, 2 detection zones, Metal Enclosure	✓	✓	20
4003-02/4003-05	Control and indicating equipment, 4 detection zones, Metal Enclosure	✓	✓	20
4003-03/4003-06	Control and indicating equipment, 8 detection zones, Metal Enclosure	✓	✓	20

Detectors and Manual Call Points

Model	Description	EN 54-5	EN 54-7	EN 54-11	UL268	UL521	Page
SNC-300-S2	Smoke detector	—	✓	—	✓	—	23
SNC-300-SL	Smoke detector, remote LED output	—	✓	—	✓	—	23
SNC-300-SR	Smoke detector, relay output	—	✓	—	✓	—	23
HNC-310-H2	Heat detector	✓	—	—	—	✓	24
HNC-310-HL	Heat detector, remote LED output	✓	—	—	—	✓	24
SNC-300-C2	Smoke/heat detector	✓	✓	—	✓	✓	24
SNC-300-CL	Smoke/heat detector, remote LED output	✓	✓	—	✓	✓	24
SNC-300-CR	Smoke/heat detector, relay output	✓	✓	—	✓	✓	24
460-002	Manual call point	—	—	✓	—	—	28

Standards Reference

EN 54-2 *Fire detection and fire alarm systems. Control and indicating equipment*
EN 54-4 *Fire detection and fire alarm systems. Power supply equipment, relay output*
EN 54-5 *Fire detection and fire alarm systems. Heat detectors. Point detectors*
EN 54-7 *Fire detection and fire alarm systems. Smoke detectors. Point detectors using scattered light, transmitted light or ionization*
EN 54-11 *Fire detection and fire alarm systems. Manual call points*
UL 268 *Smoke detectors for fire alarm signaling systems*
UL 521 *Heat detectors for fire protective signaling systems*
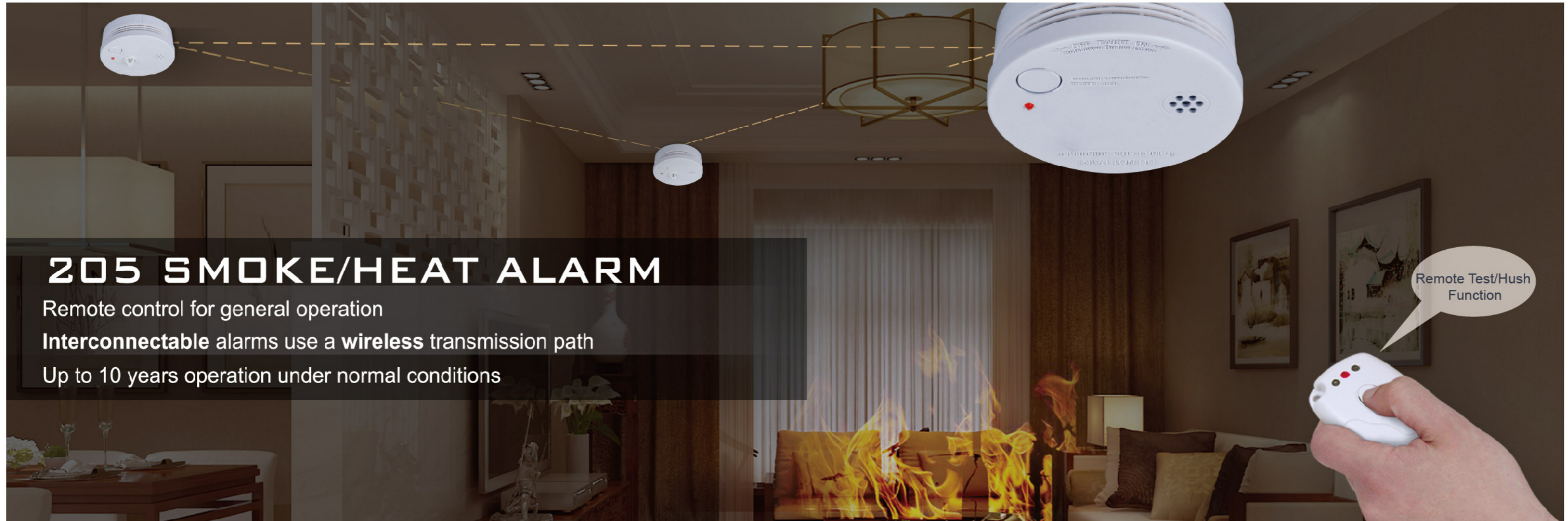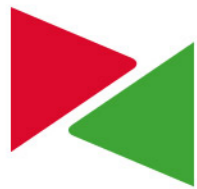
205 SMOKE/HEAT ALARM

Remote control for general operation

Interconnectable alarms use a **wireless** transmission path

Up to 10 years operation under normal conditions

Remote Test/Hush Function

Introduction

Numens has a comprehensive range of detection and alarm products suitable for residential applications. The range includes stand-alone and interconnected devices, all with loud internal sounders. Devices for the detection of smoke, heat, gas and water are available.

Multi-sensor Alarms

Multi-sensor alarm devices provide high detection capability with a low level of unwanted alarms to provide the minimum occupant disruption.

Smoke Alarms

All smoke alarms use a photoelectric smoke sensing chamber to provide early detection of smoke and high immunity against unwanted alarms from cooking fumes.

Gas Alarms

Advanced electronics in conjunction with a semiconductor gas sensor provide early detection of carbon monoxide, natural gas or propane gas, and high immunity against unwanted alarms.

Heat Alarms

Heat alarms are suitable for installation where smoke alarms may be susceptible to a high level of unwanted alarms. Note: Hazardous levels of smoke and toxic gas can build up before a heat detector might operate. Where life safety and building evacuation is necessary in the event of a fire, smoke, gas or combination detectors usually provide earlier warning than heat detectors alone.
Heat alarms are powered from an internal battery.

Water Alarms

Numens water alarms provide home owners and installers with an easy-to-install, economical solution where early detection of water leaks is wanted.

Residential Product Approvals

The following products have been third-party assessed for the relevant Standards compliance. New assessments are currently underway, so check out website for the latest information.
Other products have been designed to comply with the relevant Standards.

Model	Description	EN 14604	LPCB	VdS	CCC
SND-500-S	Smoke alarm, 9V, sounder	✓	—	—	—
SND-500-SI	Smoke alarm, 9V, sounder, interconnection	✓	—	—	—
205-001	Smoke alarm, 3V, sounder(独立烟雾报警器, 9V)	✓	✓	✓	✓
205-002	Smoke alarm, 3V, Wireless Interconnect, sounder	✓	—	—	—
205-004	Smoke alarm, 3V, sounder(独立烟雾报警器, 9V)	✓	✓	✓	—
205-005	Smoke alarm, 3V, Wireless Interconnect, sounder	✓	✓	—	—

Standards Reference
EN 14604 *Smoke alarm devices*
GB 20517-2006 独立式光电感烟火灾探测报警器

205 Smoke Alarm

CE CCC LPCB VdS Pending

205 DC smoke alarms provide battery powered smoke detection and alarm functions within a single unit.
Advanced electronics in conjunction with a photoelectric smoke sensing chamber provide early detection of fire and high immunity against unwanted alarms.
Interconnectable 205 DC smoke alarms use a wireless transmission path. Configuration into a group ensures that other units within radio signal range are not affected by a test or fire alarm occurring within the configured group.
205 DC smoke alarms are powered by a long-life lithium-ion battery and do not require a mains supply.
The 205 DC smoke alarm is suitable for general residential applications, and provides home owners and installers with an easy-to-install, long-life solution for life safety and property protection applications .

RF

- Photoelectric smoke sensing chamber technology
- Test and Hush features in a single button
- Test button verifies battery and alarm operation
- Hush function temporarily silences unwanted alarms, low battery indication and smoke chamber fault indication
- Loud 85 dB sounder to alert occupants
- No limit for interconnectable units using the wireless transmission path
- Interconnectable smoke alarms configure into groups
- Smoke chamber fault audible indication
- Surface-mount device (SMD) circuit board design
- Up to 10 years operation under normal conditions
- Low battery warning signal
- Can be controlled by 261 Remote Control
- Easy installation
- Low maintenance

For complete specifications, see datasheet 31-0047.

Ordering Information

Part Number	Wireless Interconnect	Replaceable Battery
205-004	—	—
205-005	✓	✓
205-006	—	✓

205 Heat Alarm

CE

205 DC heat alarms provide battery powered heat detection and alarm functions within a single unit. Electronic thermistor sensing and microprocessor control delivers reliable performance and low maintenance.
205 DC heat alarms are powered by a long-life lithium-ion battery and do not require a mains supply. Models with either user-replaceable and non-replaceable batteries are available.
Interconnectable 205 DC heat alarms use a wireless transmission path. Configuration into a closed group ensures that other units within radio signal range are not affected by a test or fire alarm occurring within the configured group.
205 DC heat alarms are suitable for general residential applications where smoke or gas detectors may cause unwanted alarms.
The 205 DC heat alarm provides home owners and installers with an easy-to-install, long-life solution for property protection applications.

RF

- Fixed temperature and rate-of-rise operation using electronic thermistors with microprocessor control
- Integrated indicator provides visual indication of an alarm condition
- Test button verifies battery and alarm operation
- Loud 85 dB sounder to alert occupants
- Surface-mount device (SMD) circuit board design
- Single DC 3 V user-replaceable battery provides up to 18 months operation under normal conditions
- 30 day low battery warning signal
- No limit for interconnectable units using the wireless transmission path
- Battery missing indicator

For complete specifications, see datasheet 31-0094.

Ordering Information

Part Number	Wireless Interconnect	Replaceable Battery
205-007	—	—
205-008	✓	✓
205-009	—	✓

205 Smoke/Heat Alarm

CE

205 DC smoke/heat alarms provide battery powered smoke and heat detection, together with alarm functions within a single unit.
Advanced electronics in conjunction with a photoelectric smoke sensing chamber and sensitive heat detection element provide early detection of fire and high immunity against unwanted alarms.
205 DC smoke/heat alarms are powered by a long-life lithium-ion battery and do not require a mains supply. Models with user-replaceable and non-replaceable batteries are available.
Interconnectable 205 DC smoke/heat alarms use a wireless transmission path. Configuration into a closed group ensures that other units within radio signal range are not affected by a test or fire alarm occurring within the configured group.
The 205 DC smoke/heat alarm long-life solution for life safety and property protection applications.

RF

- Photoelectric smoke and heat sensors
- Fixed temperature and rate-of-rise operation using electronic thermistors with microprocessor control
- Integrated indicator provides visual indication of an alarm condition
- Test button verifies battery and alarm operation
- Loud 85 dB sounder to alert occupants
- Single DC 3 V user-replaceable battery provides up to 18 months operation under normal conditions
- 30 day low battery warning signal
- No limit for interconnectable units using the wireless transmission path
- Battery missing indicator

For complete specifications, see datasheet 31-0095.

Ordering Information

Part Number	Wireless Interconnect	Replaceable Battery
205-010	—	—
205-011	✓	✓
205-012	—	✓

261 Remote Control

CE

261 alarm remote control operates in conjunction with compatible Numens residential smoke alarms and heat alarms to provide test and hush functions without having direct access to the alarm device.
The alarm remote control includes a battery powered radio transmitter to send control signals to alarm devices with a compatible receiver.
The 261 alarm remote control provides home owners and installers with an easy-to-install, long-life solution for convenient operation of compatible alarm devices.
The 261 alarm remote control is ideal where access to alarm devices is difficult due to installation height, or where residents are restricted in their ability to operate the functions.

RF

- Indicators provide visual indication of quiescent condition, alarm condition and fault condition
- Test and Hush control in a single button
- Cradle for wall mounting of the controller
- Eyelet for optional key-ring or lanyard
- Long life battery
- Attractive housing design, fits comfortable in the hand
- Low maintenance

For complete specifications, see datasheet 31-0084.

Ordering Information
261-001
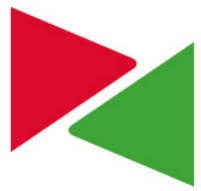
SND-500 Smoke Alarm

SND-500 DC smoke alarms provide battery powered smoke detection and alarm functions within a single unit.
Advanced electronics in conjunction with a photoelectric smoke sensing chamber provide early detection of fire and high immunity against unwanted alarms.
The SND-500 is interconnectable with either a wired or wireless transmission path.
SND-500 DC smoke alarms are battery powered, do not require a mains supply, and are suitable for general residential applications.

- Photoelectric smoke sensing chamber technology
- Integrated indicator provides visual indication of an alarm condition
- Test and Hush features in a single button
- Loud 85 dB sounder to alert occupants
- Single DC 9 V user-replaceable battery provides up to 18 months operation under normal conditions
- 30 day low battery warning signal
- Up to 38 units interconnectable
- Battery missing indicator

For complete specifications, see datasheet 31-0046.

Ordering Information

Part Number	Wired Interconnect	Wireless Interconnect
SND-500-S	—	—
SND-500-SI	✓	—

202 Heat Alarm

202 DC heat alarms provide battery powered smoke and heat detection, and alarm functions within a single unit.
Electronic thermistor sensing and microprocessor control delivers reliable performance and low maintenance.
202 DC heat alarms are battery powered, do not require a mains supply, and are suitable for residential applications where smoke or gas detectors may cause unwanted alarms (such as cooking areas or parking garages).

- Fixed temperature and rate-of-rise operation using electronic thermistors with microprocessor control
- Integrated indicator provides visual indication of an alarm condition
- Test button verifies battery and alarm operation
- Loud 85 dB sounder to alert occupants
- Surface-mount device (SMD) circuit board design
- Single DC 9 V user-replaceable battery provides up to 18 months operation under normal conditions
- 30 day low battery warning signal
- No limit for interconnectable units using the wireless transmission path
- Battery missing indicator

For complete specifications, see datasheet 31-0009.

Ordering Information

Part Number	Wired Interconnect	Wireless Interconnect
202-003	—	—
202-004	✓	—
202-009	—	✓

202 Smoke/Heat Alarm

202 DC smoke/heat alarms provide battery powered smoke and heat detection, and alarm functions within a single unit.
Advanced electronics in conjunction with a photoelectric smoke sensing chamber and sensitive heat detection provide early detection of fire and high immunity against unwanted alarms.

- Photoelectric smoke and heat sensors
- Fixed temperature and rate-of-rise operation using electronic thermistors with microprocessor control
- Integrated indicator provides visual indication of an alarm condition
- Test button verifies battery and alarm operation
- Loud 85 dB sounder to alert occupants
- Single DC 9 V user-replaceable battery provides up to 18 months operation under normal conditions
- 30 day low battery warning signal
- No limit for interconnectable units using the wireless transmission path
- Battery missing indicator

For complete specifications, see datasheet 31-0008.

Ordering Information

Part Number	Wired Interconnect	Wirless Interconnect
202-001	—	—
202-002	✓	—
202-015	—	✓

203 Smoke Alarm

203 AC/DC smoke alarms provide smoke detection and alarm functions within a single unit.
Advanced electronics in conjunction with a photoelectric smoke sensing chamber provide early detection of fire and high immunity against unwanted alarms.
203 AC/DC smoke alarms are available as mains powered with battery backup, or battery-only models, and are suitable for general residential applications.
The 203 AC/DC smoke alarm range provides home owners and installers with an easy-to-install, economical solution for life safety and property protection applications.

- Photoelectric smoke sensor
- Integrated indicator provides visual indication of an alarm condition
- Test and Hush features in a single button
- Loud 85 dB sounder to alert occupants
- Single DC 9 V user-replaceable battery
- 30 day low battery warning signal
- 10-year end-of-life timer
- Twist-on mounting base
- Interconnection function available to connect up to 38 units together
- Easy installation

For complete specifications, see datasheet 31-0010.

Ordering Information

Part Number	DC Power	AC (100~240) V	Interconnect
203-001	✓	—	—
203-003	✓	—	✓
203-005	✓	✓	—
203-006	✓	✓	✓

200 CO Gas Alarm

CE

200-series carbon monoxide (CO) gas alarms are state-of-the-art detectors with an internal sounder. Models are available powered by a user-replaceable battery or AC mains. Advanced electronics in conjunction with a semiconductor gas sensor provide early detection of carbon monoxide gas and high immunity against unwanted alarms.

- Japanese Figaro electrochemical sensor (UL approved)
- Loud 85 dB internal alarm sounder
- Dual action button for Hush and Test
- Separate indicators for Power, Alarm andService
- N/C or N/O alarm relay output models available
- Interconnection function available on some models to connect up to 20 units together
- AC mains powered models available
- DC 9 V models available, including 10-year lithium battery models
- 5-year end-of-life timer
- Low power consumption

For complete specifications, see datasheet 31-0005.

Ordering Information

Part Number	DC Power	AC (100~240)V	Interconnect	Relay Output
200-001	✓	—	—	—
200-003	✓	—	✓	—
200-005	✓	—	—	✓
200-007	—	✓	—	—
200-008	—	✓	✓	—
200-009	—	✓	—	✓

201 Propane/Natural Gas Alarm

CE

201 propane (LPG)/natural gas alarms are state-of-the-art inflammable gas detectors with an internal sounder.
Advanced electronics in conjunction with a semiconductor gas sensor provide early detection of propane gas, with high immunity against unwanted alarms.
Models are available powered by AC mains or from a DC 12/24 V supply (such as a security system).

- Japanese Figaro gas sensor (UL approved)
- Detects propane (LPG) gas (C_3H_8)/natural gas (CH_4)
- Loud 85 dB internal alarm sounder
- Dual action button for Hush and Test
- Separate indicators for Power, Alarm and Service
- N/C or N/O alarm relay output models available
- Interconnection function available on some models to connect up to 20 units together
- AC mains operating models available
- DC 12/24 V models available
- 5-year end-of-life timer
- Low power consumption
- Low maintenance

For complete specifications, see datasheet 31-0006 and datasheet 31-0007.

Ordering Information

Part Number	DC Power	AC (100~240)V	Interconnect	Relay Output
201-001 /201-013	✓	—	—	—
201-002 /201-014	✓	—	✓	—
201-003 /201-015	✓	—	—	✓
201-004 /201-016	✓	—	✓	✓
201-006 /201-018	—	✓	—	—
201-008 /201-020	—	✓	✓	—
201-010 /201-022	—	✓	—	✓
201-012 /201-024	—	✓	✓	✓

"201-001~201-012" Propane (LPG) Gas Detector
"201-013~201-024" Natural Gas Detector

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204 Water Leakage Alarm

CE

The 204 water alarm is a water leakage detector with an alarm sounder. Advanced electronics provides rapid detection of water in at-risk locations, such as sumps, under sinks, around washing machines, in bathrooms, etc.
The 204 is powered from an internal battery. A dry-contact alarm relay output is available for connection to other equipment, such as a security system.

- Operates in water depths exceeding 2 mm
- Operates from a replaceable DC 9 V battery
- Low power consumption
- Loud 85 dB internal alarm sounder lasts for up to 72 hours
- Sounder will reset automatically when water is no longer detected
- Dry-contact relay output model available
- Interconnection function available to connect up to 38 units together
- Shock resistant from up to 1.8 m fall onto concrete
- Splash proof (not water proof)

For complete specifications, see datasheet 31-0011.

Ordering Information

Part Number	Interconnect	Relay Output
204-001	—	—
204-003	✓	—
204-005	—	✓

260 Wireless Manual Call Point

CE

The 260 manual call point connects wirelessly to compatible smoke alarms, to manually activate the alarm sounder. A pressure-activated displacement element provides a safe and convenient way for building occupants to manually initiate a fire alarm condition.
Resetting the manual call point is achieved by inserting a key through the underside of the unit to replace the operating face tothe quiescent position. 260 manual call points are powered by a non-replaceable long-life lithium-ion battery, and do not require a mains supply.

RF

- Wirelessly interconnectable to smoke alarms
- Non-replaceable battery provides up to 10 years operation under normal conditions
- Pressure activated displacement element provides a safe user experience
- Integral LED activation indicator
- Resettable with simple key operation
- Suitable for indoor use
- Easy installation
- Low maintenance

For complete specifications, see datasheet 31-0079.

Ordering Information
260-001
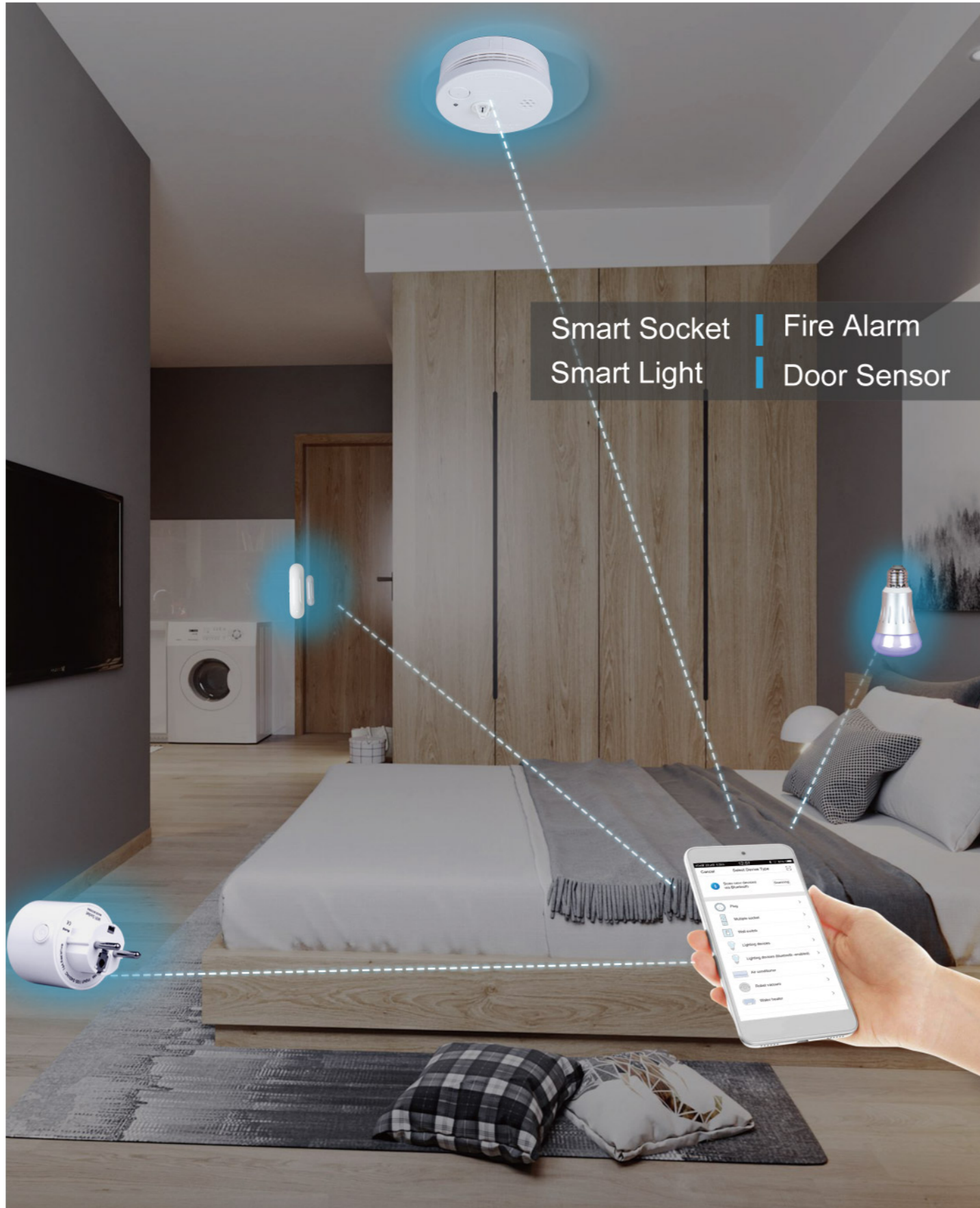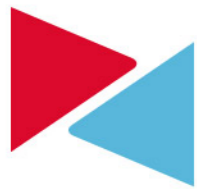
Smart Socket | Fire Alarm
Smart Light | Door Sensor

101 WiFi Smart Light

CE

The 101 WiFi-controlled smart light connects to the internet via the local WiFi network. The on/off function of the smart light is controlled through the Smart Life – Smart Living application installed on a smart phone.
The 101 WiFi smart lights provide residential occupants with a Smart Life – Smart Living solution that supports smart homes through the internet of things.

- E27 Edison screw base
- Connection to the internet via local WiFi network
- Smart phone App provides sophisticated control options
- Connectable to Amazon Echo™ and Alexa™
- Shareable to multiple users
- Schedule on/off times
- Selectable colours
- Selectable brightness
- Selectable mood themes
- Suitable for indoor use
- Easy installation
- Low maintenance

For complete specifications, see datasheet 31-0082.

Wi-Fi

Ordering Information
101-001

104 WiFi Smart Socket

CE

The 104 WiFi smart socket is a WiFi controlled mains power outlet.
The device connects to the internet via the local WiFi network, then features, including on/off function, are controlled through the Smart Life – Smart Living application installed on a smart phone.
The 104 WiFi smart sockets provide residential occupants with a Smart Life – Smart Living solution that supports smart homes through the internet of things, to control electrical devices such as fans, lights, heaters, etc.

- Connection to the internet via local WiFi network
- Smart phone App provides sophisticated control options
- Connectable to Amazon Echo™ and Alexa™
- Shareable to multiple users
- Schedule on/off times
- Countdown timer
- Configurable device name
- Manual control
- Suitable for indoor use
- Low maintenance

For complete specifications, see datasheet 31-0081.

Wi-Fi

Ordering Information

Part Number	UK	EU	US
104-001	✓	—	—
104-002	—	✓	—
104-003	—	—	✓

103 WiFi Smart Socket

CE

The 103 WiFi smart socket is a WiFi controlled mains power outlet.
The device connects to the internet via the local WiFi network, then features, including on/off function, are controlled through the Smart Life – Smart Living application installed on a smart phone.
The 103 WiFi smart sockets provide residential occupants with a Smart Life – Smart Living solution that supports smart homes through the internet of things, to control electrical devices such as fans, lights, heaters, etc.

- Connection to the internet via local WiFi network
- Smart phone App provides sophisticated control options
- Connectable to Amazon Echo™ and Alexa™
- Shareable to multiple users
- Schedule on/off times
- Countdown timer
- Configurable device name
- Manual control
- Suitable for indoor use
- Low maintenance

For complete specifications, see datasheet 31-0081.

Wi-Fi

Ordering Information

Part Number	UK	EU	US
103-001	✓	—	—
103-002	—	✓	—
103-003	—	—	✓