

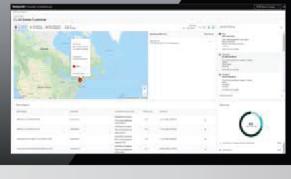
NOTIFIER INSPIRE™ Solutions Guide

The Next Generation of Connected Life Safety







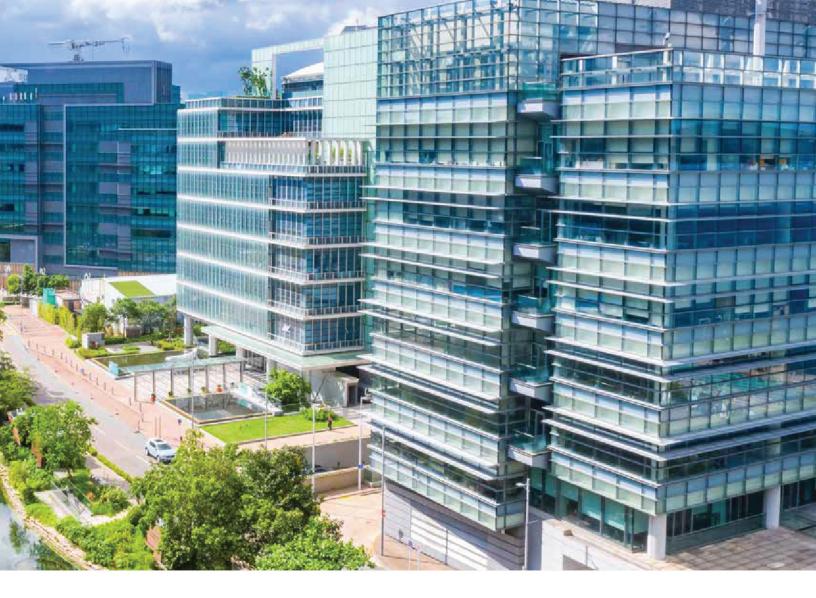


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Integrated and Scalable

NOTIFIER's latest product suite provides an unmatched level of flexibility, expandability, and capability to seamlessly protect people, property, and assets.

Backwards compatibility, upgrades, and building expansions are now simpler than ever before with modular solutions designed to meet the needs of any size application.

This is fire safety that does more.

Connected and Powerful

The NOTIFIER INSPIRE™ Series is a fully networkable life safety system designed to scale with a building.

Coupled with Connected Life Safety Services (CLSS) - cloud-based software from Honeywell, a NOTIFIER INSPIRE system can provide real time visibility, efficient monitoring and timely reporting at the touch of a button.

Most impressively, it unlocks revolutionary detection capabilities with the first UL-approved detectors that can be functionally tested automatically. NOTIFIER's Self-Test technology means less technician time on site, less disruption for occupants and reassurance of full safety compliance.

Trusted Brand Trusted Partners Trusted Solutions

With over 70 years of trusted life safety and fire industry experience, a premium network of independent authorized trusted partners, and industry leading technology, NOTIFIER has reinvented the fire safety category.

NOTIFIER and our Engineered System Distributors are changing the way fire and life safety systems are managed, operated, and maintained.

For reliable, all-in-one, end-to-end fire and life safety solutions, NOTIFIER is the brand to trust.



NOTIFIER INSPIRE™ Series

Scalable, flexible, connected

The NOTIFIER INSPIRE™ Series Fire Alarm Control Panels (FACPs) bring the latest technology to life safety. Fire emergency detection and evacuation are extremely critical to life safety. A system that scales with a building, the NOTIFIER INSPIRE Series enables modular expandability to be ready at any time. Less equipment is needed, which in turn reduces the amount of maintenance, replacements parts, and overall inventory management required.

The NOTIFIER INSPIRE Series integrates with the Honeywell Connected Life Safety Services (CLSS) software platform through the Honeywell CLSS Gateway, providing connectivity to central station, cloud, and mobile applications. This cloud-based functionality provides real time awareness and remote monitoring of the system, enhancing safety and first-time fix rates and reducing manual data entry and reporting. CLSS is used to access licensable panel features, Self-Test detector technology, VeriFire® Tools, workstation licenses, and more.

Listings

-) UL
-) FM

NOTIFIER INSPIRE Features and Benefits

- > 10" high-definition touchscreen display with customizable buttons
- > 6.0 Amp power supply with customizable outputs
- > Easy expansion of isolated intelligent Signaling Line Circuit capacity
- Self-Test detector technology available as photo, thermal, or multi-sensor devices
- Compatible with Notifier Wireless Fire Detection Alarm Systems
- Up to 159 detectors and 159 modules per SLM; 318 devices per loop/3,180 per FACP or network node
- High-speed network for up to 200 nodes and standard network for up to 103 nodes
- Emergency voice options available
- Weekly Occupancy Schedules allow changing sensitivity by time of day and day of week
- History Buffer (10,000 events, 3000 displayed)
- Advanced history filters allow sorting by event, time, date, or address
- Alarm Verification selection per point, with automatic counter
- > Color coded icon-based event notification
- > Event filtering to quickly view event groups
- Optional cloud connectivity for remote off-site monitoring through CLSS
- Optional remote programing through CLSS





NOTIFIER INSPIRE™ N16e

Efficient, connected single panel solution

The NOTIFIER INSPIRE™ N16e is a scalable single panel solution that is easier to install, simpler to use, and can notably enhance technician efficiency. Offered in a standard preconfigured enclosure, the NOTIFIER INSPIRE™ N16e comes with one Signaling Line Module to support 318 intelligent addressable devices. Up to two additional Signaling Line Modules can be added, expanding capacity to 954 intelligent addressable devices on three Signaling Line Circuit loops.

The panel includes a power supply to support four NACs and two auxiliary out-puts. Panels can be configured with just a few devices for small building applications or networked with many devices to protect a large campus or a high-rise office block. Simply add additional peripheral equipment to suit the application.

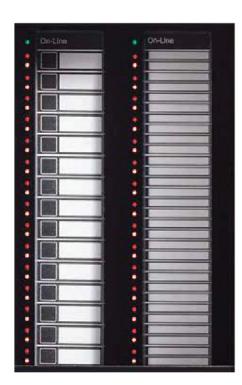
N16e Applications

- K-12 Schools
- Educational Buildings
- › Standalone Retail
-) Malls
- Small Commercial
- Commercial Offices
- Assisted Living Facilities
- Small Healthcare Facilities

NOTIFIER INSPIRE™ N16x







NOTIFIER INSPIRE™ Annunciator Control Module (ACM-30)

AIO Annunciator

The ACM-30 annunciator provides the N16 FACP (Fire Alarm Control Panel) or NCD (Network Control Display) with remote, serially connected annunciators. Arrays of LEDs indicate, at a remote location, the status of addressable points within the system. The ACM-30 annunciators are designed to serve as full function annunciators that can both receive status information as well as transmit commands to the control panel. This allows the annunciator to remotely execute functions of the control panel in addition to displaying the status of the system.

ACM-30 Features and Benefits

- > Fully programmable for colors, actions, and indication
- Flexibility to program as button or LED indicator, or combination of both, within the same devices
- Speaker control mode for use with the DVC and the N16 Series FACP. Enables the ACM-30 to control operation of groups of multi-channels mapped to groups of multi-speakers
- Color-programmable LEDs
- Alarm/Circuit On and Trouble LED per-point option or more dense Alarm-only option
- Touch-pad control switch option for remote control of system relays; or silence, reset, and evacuate
- Slip-in custom labels





NCD Features and Benefits

- Quick identification of event information
- Interactive summary event count display
- › Intuitive user guidance program
- Environmental adjustment controls to maximize LCD legibility
- Full supervision of all inputs and network integrity

NOTIFIER INSPIRE[™] Network Control Display (NCD)

User-friendly functionality for system-wide network management

The Network Control Display (NCD) is primary display of network control annunciators for NOTIFIER INSPIRE Systems. With a modern contemporary design, the NCD meets today's building aesthetic needs. The intuitive 10" color touch screen display provides color coded system status details and point information.

The NCD provides system control and display capabilities for selected or all network nodes, with updated display features to match building aesthetics and user security requirements. When connected to one or more networked panels the NCD provides network control and status display capabilities.

NOTIFIER INSPIRE[™] Remote Location Display (RLD)

Remote, securely connected information display

The RLD annunciator provides the N16 FACP (fire alarm control panel) or NCD (Network Control Display) with remote, securely connected information display. This remote 5" touch screen display provides an alert bar indication and counters for the number of events in the system, showing two events simultaneously, and scrollable up to 50 of the highest priority events. The RLD provides a key switch for user authentication that will then enable the control inputs for acknowledge, silence, reset, and drill. In addition, custom action buttons are available via the menu for quick access to enable/disable as well as force on/off the state of addressable points.



RLD Features and Benefits

- 5" color touchscreen display
- Mimics FACP and NCD
- › Quick identification of event information
- Interactive Summary Event Count Display
- System Acknowledge, Signal Silence,
 Drill and System Reset





Digital Voice Command (DVC)

Integrated emergency voice communications

Broadcast Multiple Messages with Superior Message Clarity

NOTIFIER's DVC features 8 channels of industry leading quality audio, 5 firefighter telephone channels, wire, fiber or mixed media networking options, and can broadcast multiple, distinct messages throughout your entire facility simultaneously ensuring that the right people have the right information at the right time during any emergency – fire, active shooter, security breach, chemical spill, tornado, or flood.

With the DVC, building occupants will receive clear voice instructions pertaining to their location and proximity to the emergency. From message storage to amplifier output, voice messages remain in a digital format to eliminate distortion and deliver unequaled clarity and intelligibility.

Applications

- High Rise Buildings
- Educational Buildings
- Corporate Campuses
- Industrial Facilities
- Hotels and Resorts

Features and Benefits

- › Advanced audio storage of user-selected messages and tones
- > Supports wired and fiber optic media options
-) Up to 1000 audio sequences
- > Easily programmable with message prioritization
- Direct connection with up to 32 Digital Audio Amplifiers
- Fast and dependable communication including Firefighters' Telephone Communications to additional command stations
- Can be cost-effectively used to produce low frequency tones required in commercial sleeping spaces





Intelligent Detection Technologies

Reliable detection for any application



IntelliQuad™ PLUS - Combination Fire/CO Detector

IntelliQuad PLUS is a multi-criteria, addressable device that provides both fire and carbon monoxide (CO) detection. For fire, the detector combines four separate sensing elements into one unit (photoelectric, CO, infrared, and heat) to sense multiple components of a fire – thus offering our highest level of protection with our best nuisance alarm avoidance. For CO, the detector's electrochemical sensing cell creates a separate signal for life safety CO detection.



VIEW™ - High Sensitivity Detector

The VIEW detector is a high sensitivity photoelectric smoke detector designed for Very Early Warning Fire Detection and used to protect valuable assets and operations where systems must always remain functioning. The high-sensitivity detector features a smoke-sensing chamber and patented optic block designed to amplify signals from smoke while diminishing stray internal reflections that can cause false alarms. New LED technology allows VIEW to achieve sensitivity levels from 0.02 percent-perfoot to 2 percent-per-foot obscuration – up to 25 times greater than a standard photoelectric detector.



PTIR - Photo/Thermal/Infra-Red Detector

The PTIR is a multi-criteria device, combining photoelectric, thermal and infra-red sensors into a single detector, with both UL 268 7th edition and UL 521 listings. The dual listings enable both general and local evacuation options using one detector. The PTIR detector also provides an increased resistance to false alarms over a standard photoelectric detector in environments with moderate nuisance conditions.



Photo/CO – Photo and Carbon Monoxide Detector

The Photo/CO detector is a multi-criteria detector that delivers both photoelectric smoke detection and carbon monoxide detection with separate outputs for smoke and CO in a standard, cost-effective design.



CO Only – Carbon Monoxide Detector

The CO Only detector provides addressable, life safety, carbon monoxide detection in a system connected format to support the increasing need to identify dangerous levels of CO.



Honeywell Connected Life Safety Services (CLSS)

Value and peace of mind at every stage

CLSS is an innovative, all-in-one cloud platform that enables technicians, system integrators, and facilities managers to deliver an enhanced fire safety service, while maximizing the performance efficiencies offered by Honeywell's trusted detection and alarm systems. Unlock the full power of CLSS digitized maintenance with NOTIFIER INSPIRETM.

Alarm communication, the power of choice

With several leading communicators available from Honeywell and third parties, the NOTIFIER INSPIRE panel can connect to any US-based central monitoring station.

Features and Benefits

- > CLSS provides access to the industry's first, self-testing series of smoke detectors
- CLSS can help increase fire system connectivity, improve alarm signal reporting detail, and optimize the communication path of alarm signals via First responder alerting
- Remote Diagnostic Tools help streamline fire safety system management through access to real-time system and device information on your mobile device or desktop PC
- > NOTIFIER INSPIRE panels can be programmed remotely using CLSS and VeriFire Tools
- Easily automate the test and Inspect process input devices, test remotely, and update your reports in an instant with a digital trail for guaranteed compliance
- Configuration Tools provide remote connections and enhance software licensing for faster commissioning, license administration, and security
- Honeywell CLSS solutions are all built on industry-best cybersecurity protocols, ensuring buildings and data are protected.





Honeywell CLSS Gateway

Enabling the future of fire

The CLSS Gateway serves as a secure bridge between a compatible fire system and the CLSS Cloud platform. When a NOTFIER INSPIRE panel is connected to a CLSS Gateway, it unlocks unlimited access to the powerful CLSS CheckPoint Test & Inspect app with auto-pass and control. This solution can drastically reduce the time and people required to perform inspections and to generate on-demand, electronic reports.

The Gateway is the solution for connecting a NOTIFIER fire system to CLSS cloud, central station, mobile productivity tools, and third party services powered by CLSS.

Features and Benefits

- → Connects directly to compatible ONYX® Series and NOTIFIER INSPIRE™ fire alarm control panels (FACPs) or panel networks
- BlueTooth® mobile pairing for Gateway configuration and control capability on Android™ and iOS® devices
- > Supports IP or cellular-based alarm transmission to the central station
- > Wireless or wired connection from the Gateway to the CLSS Cloud
- Panel connection options include standalone panel, networked panel, and standalone with digital voice control
- Can be used for portable (without optional cellular module) or permanently installed applications
- Collects system data from the connected FACP and sends it to the CLSS
 Cloud enabling productivity and efficiency tools and features

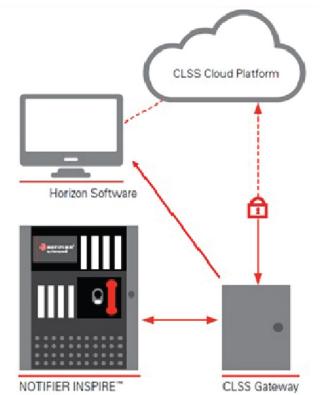




Horizon

LAN connected graphical monitoring solution

LAN Connected Horizon is the latest solution for on-premise and remote monitoring of your life safety system. Intuitive graphic visualization provides building operators with actionable insight to quickly pinpoint and respond to events. Valuable for buildings of any size, Horizon can cost-effectively scale to grow with your needs.



Fire System

CLSS Horizon Features and Benefits

- 24/7 System Status and Live Alerts
- Supports NOTIFIER INSPIRE™, ONYX Series and FireWarden panels
- Supports NOTI-FIRE-NET™ (NFN) networks
- Graphical Fire System View including location-specific building information for informed response
- Live Dashboard and History Reporting serve as maintenance/ diagnostics tool
- Secure connection





OnyxWorks® and NOTI-FIRE-NET™

Uniting multiple systems into one

The ONYXWorks workstation provides full control of a NOTIFIER life safety system. The intuitive graphical interface displays building floor plans with interactive fire and security alerts, enabling staff to quickly pinpoint, investigate, and respond to events. Customizable screens and multiple configuration options minimize operator training and allow you to adapt the system to your needs.

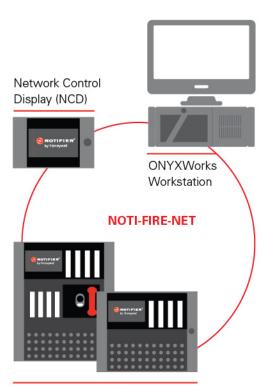
ONYXWorks System Features and Benefits

- Windows® 10 64 bit platform
- > Simplifies daily operations with programmable Macro Buttons
- System Dashboard and History Reporting provides valuable maintenance and diagnostic tool

The NOTI-FIRE-NET intelligent life safety network connects NOTIFIER intelligent fire alarm control panels together for cooperative control and network-wide monitoring. Each fire alarm panel on NOTI-FIRE-NET maintains individual programming and continues to operate independently, while still being centrally monitored as part of a unified network. This prevents the loss of a single node from other compromised panels, resulting in greater system survivability.

NOTI-FIRE-NET System Features and Benefits

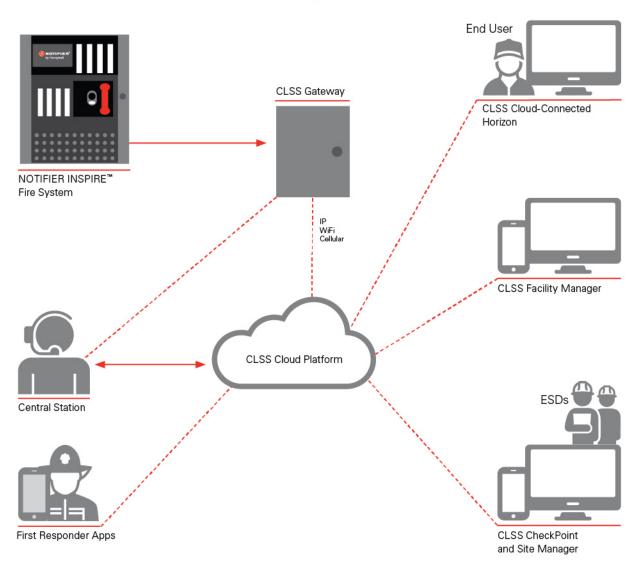
- > Supports NOTIFIER INSPIRE and ONYX Series fire alarm control panels
- Supports Connected Life Safety Services (CLSS) Platform
- Complies with industry standard BACnet/IP connectivity to Building Automation Systems and Modbus/IP connectivity to industrial control systems
- High Speed NOTI-FIRE-NET System provides increased network capacity and improved network communication speeds



NOTIFIER INSPIRE™ Fire Alarm Control Panels



Connected Life Safety Infrastructure







Xtralis Li-ion Tamer (Battery Electrolyte Solvent Vapors Detection) Solution

Make green power safe power

The Li-ion Tamer Battery Rack Monitor is a safety product specifically designed to detect the potential thermal runaway of lithium-ion batteries. The key to Li-ion Tamer's value proposition is the distributed gas sensing network that provides the earliest warning of battery failure by detecting when a single cell starts venting electrolyte solvent vapors. If Li-ion Tamer off-gas monitoring is paired with proper mitigating actions, thermal runaway can be entirely avoided.

Features and Benefits

- > Early warning of lithium-ion battery failures
- > Enable thermal runaway prevention with proper mitigation actions
- Single cell failure detection without electrical/mechanical contact of cells
- > Extended product lifetime
- Calibration-free product with easy installation and auto diagnostic capabilities
- > Highly reliable output signal and low power consumption
- Configurable communication protocols including digital outputs and Modbus serial communication
- Independent and redundant perspective on battery health
- > Reduction/removal of false positive signals
- Compatible with all lithium-ion battery form factors and chemistries





VESDA-E 2nd Gen. SLC Aspirating Smoke Detection Technology

Advanced, reliable, and flexible

The Notifier Intelligent VESDA-E SLC with VESDAnet detectors (referred to as 2nd Gen. detectors) have an integrated Signaling Line Circuit (SLC) module to communicate with Notifier Fire Alarm Control Panels (FACP) directly over the SLC loop. The 2nd Gen. detectors are variants of the conventional VESDA-E detectors with built-in SLC interface module.

The SLC connectivity and SLC address occupancy on the 2nd Gen. detectors is backward compatible with the 1st Gen. detectors. The 2nd Gen. detectors have new features which are mainly VESDAnet communication and UL 268 7th Edition compliance, hence the addition of the "-VN" suffix to the model number, where the "VN" stands for VESDAnet communication.

The UL 268 7th Edition introduces a new level of performance for smoke detectors aiming to improve the life safety of the building occupants and reduce nuisance alarms.



- Flair detection technology delivers reliable very early warning in a wide range of environments with minimal nuisance alarms.
- Providing both SLC and VESDAnet connectivity.
- Supporting three modes of operation (SLC mode, VESDA-E Conventional Mode and VESDA-E Mimic Mode).
- The different modes of operation allow for supporting Notifier HLI (VHX-1420-HFS) connectivity under non-SLC modes.
- VESDA TCO, reduces the Total Cost of Ownership (TCO) through Capex value, Opex savings, Plug'n'Play installation, design-less pipe vast monitoring options and backwards compatibility



VESDA-E SLC 2nd Generation

With VESDAnet connectivity



The NOTIFIER Intelligent VESDA-E SLC with VESDAnet detectors (referred to as 2nd gen. detectors) have an integrated Signaling Line Circuit (SLC) module to communicate with NOTIFIER Fire Alarm Control Panels (FACP) directly over the SLC loop. The 2nd gen. detectors are variants of the conventional VESDA-E detectors with built-in SLC interface module.



VESDAnet Connectivity

The 2nd gen. SLC detectors have the ability to support SLC connection and VESDAnet connection at the same time, maintaining the core functionality of an SLC detector but also making centralized configuration easier through VESDAnet.

Modes of Operation and HLI Support

The 2nd gen. SLC detectors support three different modes of operation; the SLC mode, the non-SLC native mode, where the 2nd gen. detector behaves like its corresponding conventional VESDA-E product, and the non-SLC mimic mode, where the 2nd gen. detector behaves like its corresponding legacy VESDA-L product.

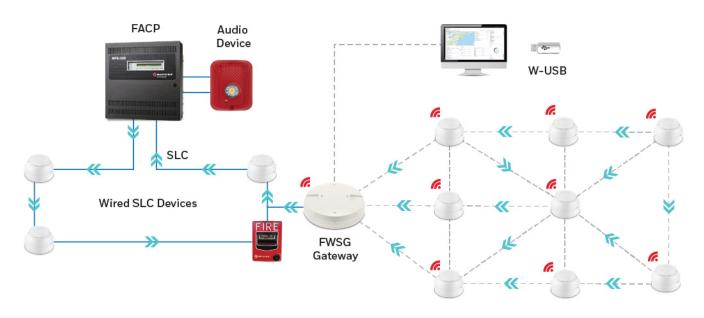
Primary reporting through the NOTIFIER HLI VHX-1420-HFS can be done in the non-SLC modes of operation.

SKU List

Model Number	Description	Compatible Fire Systems
VEP-A00-1P-NTF-VN	VESDA-E VEP 1P w LEDs,NTF,UL7,Vnet	NFS2-3030, NFS2-640, NFS-320, N16
VEP-A00-P-NTF-VN	VESDA-E VEP w LEDs, NTF,UL7,Vnet	NFS2-3030, NFS2-640, NFS-320, N16
VEP-A10-P-NTF-VN	VESDA-E VEP w 3.5" Dis,NTF,UL7,Vnet	NFS2-3030, NFS2-640, NFS-320, N16
VEU-A00-NTF-VN	VESDA-E VEU w LEDs,NTF,UL7,Vnet	NFS2-3030, NFS2-640, NFS-320, N16
VEU-A 10-NTF-VN	VESDA-E VEU w 3.5" Dis,NTF,UL7,Vnet	NFS2-3030, NFS2-640, NFS-320, N16
VES-A00-P-NTF-VN	VESDA-E VES w LEDs,NTF,UL7,Vnet	NFS2-3030, NFS2-640, NFS-320, N16
VES-A 10-P-NTF-VN	VESDA-E VES w 3.5" Dis,NTF,UL7,Vnet	NFS2-3030, NFS2-640, NFS-320, N16

Streamline Fire Safety with Advanced Wireless Technology

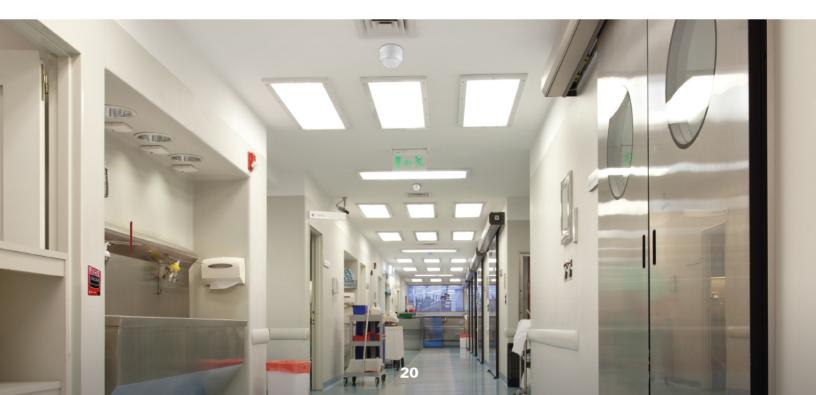
The FWSG gateway empowers you to establish a robust fire detection and alarm system in environments where traditional wired installations are challenging. Utilizing the Flashscan protocol, this central hub facilitates effortless communication between all networked devices, overcoming limitations posed by restricted wire and conduit access.













Gateway

Wireless communication & control

The FWSG acts as a bridge between fire alarm control panels (FACPs) and Wireless fire devices. It is powered by either the SLC loop or by any FACP AUX or UL-Listed fire alarm power supply compatible with the FACP. The gateway uses the FlashScan protocol on the SLC to communicate with the panel and a proprietary Wireless protocol to communicate with devices.

- > External Supply Ratings 20V 30V
- Maximum SLC Resistance 50 Ohms
- > Radio Frequency Lower ISM Band (865 867 MHz)
- › Operating Temperature 0°C 49°C
- Humidity 10 to 93% RH, Non-Condensing
- UL-Listed
- WPC Certified





Detectors

Wireless Communication & Control



Photo Detectors

Model FWD-200P-IN is a plug-in type smoke sensor that combines a photoelectronic sensing chamber with wireless communication. The sensors transmit a digital representation of smoke density through a wireless mesh to a gateway. The gateway sends the information to the panel when requested.

- > Rotary decade switches for setting the sensor address
- > 2 LEDs to indicate sensor status
- Photo electronic sensing chamber
- Works with standard Notifier base
- Battery Life more than 1 year
- UL-Listed
- WPC Certified

Photo-Thermal Detectors

Model FWD-200PH-IN is a plug-in type smoke sensor that combines photoelectronic and heat sensing with wireless communication. The sensor transmits a digital representation of smoke density, and temperature variation, through a wireless mesh to a gateway. The gateway sends the information to the panel when requested.

- Rotary decade switches for setting the sensor address
- 2 LEDs to indicate sensor status
- Photo electronic sensing chamber
- Transmits alarm due to heat (57.2°C fixed per UL 521)
- > Battery Life more than 1 year
- UL-Listed
- WPC Certified





Heat-Detectors

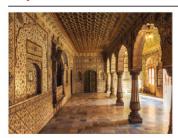
Models FWH-200FIX135-IN and FWH-200ROR135-IN are intelligent sensors that utilize a state-of-the-art thermistor sensing circuit for fast response. These sensors are designed to provide open area protection with 50-foot spacing capability as approved by UL 521.

- > Rotary decade switches for setting the sensor address
- 2 LEDs to indicate sensor status
- FWH 200FIX135-IN triggers a 57.2°C fixed alarm
- FWH 200ROR135-IN features a rate-of-rise temperature sensor with 57.2°C fixed alarm
- > Battery Life more than 1 year
- UL-Listed
- WPC Certified

Target Applications for Wireless Fire Detection & Alarm System

Scenarios where traditional wired installations are not feasible and in hybrid designs.

Impossible to Wire









Heritage Buildings

Museums

Places of Worship

Ancient Buildings

Hybrid Design







Government Buildings

Hospitality

Premium Commercial





Healthcare

IT/ITES

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