

Life Safety and Emergency Communications Systems

Information Guide

NOTIFIER®
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The ONYX® Series

The ultimate in life safety and emergency communications technology



Flexible, Expandable, Backward Compatible

NOTIFIER's ONYX Series of intelligent fire alarm control panels have the flexibility to meet the needs of any size application. ONYX Series panels are easily expanded with NOTI-FIRE-NET™, NOTIFIER's intelligent fire alarm network, to keep pace with your life safety needs.

What's more, ONYX Series panels and NOTI-FIRE-NET are completely backward compatible with existing NOTIFIER intelligent systems, allowing for expansions or upgrades without replacing existing devices.

Advanced Detection Technology

ONYX detection delivers a rapid, intelligent response to incipient fire signatures while substantially reducing nuisance alarms. Specialty detectors supply stability and very early warning capability where unique hazards and environmental conditions exist that prohibit the use of traditional smoke detectors.

Integrated Audio Evacuation and Paging

ONYX Digital Voice Command (DVC), NOTIFIER's multi-channel digital audio evacuation and paging system, features eight channels of industry-leading quality audio, five firefighter telephone channels, wire, fiber or hybrid options, and can broadcast multiple, distinct messages throughout an entire facility or across a campus simultaneously.

Easy to Use and Maintain

ONYX Series panels feature a 10'' high definition color touchscreen or full QWERTY keypads, with large 80-640 character LCD displays, along with intuitive menu options, making it easy for facility managers to perform routine system maintenance, testing, and basic programming functions such as enabling or disabling points. If an intelligent device is ever damaged and needs replacement, facility personnel can do so quickly and easily without the need for special tools or programming software.





ONYX® NFS-320

Built for speed

Engineered for small applications, incorporating features that minimize installation time, enable faster response times, and simplify maintenance and usability, the NFS-320 offers all of the sophistication and premier performance of the ONYX® Series.

Speed of Installation and Detection

With the NFS-320's auto-program feature, fire protection can be established in seconds. Additional programming can be accomplished with the built-in QWERTY keypad or with the VeriFire tools programming utility.

NOTIFIER's patented FlashScan protocol combined with ONYX Advanced Detection, featured in every ONYX Series panel, exceeds worldwide code requirements for response time, and delivers a fast and accurate response to smoke, carbon monoxide, and/or heat conditions.

Features and Benefits

- One Signaling Line Circuit (SLC) with 318 devices (159 detectors and 159 modules), Style 4, 6 or 7
- Features four Class A/B built-in Notification Appliance Circuits (NAC)
- Fully field programmable
- Ease of installation and service with removable chassis
- Direct connect to NOTIFIER FirstCommand™ Emergency Communications System
- Easily networkable with NOTI-FIRE-NET™
- Multiple Communicator Options (POTS, IP, Cellular)

Listings

- Releasing
- Mass Notification
- Seismic Certified
- Marine Approved

Applications

- Nursing Homes
- Elementary Schools
- Places of Worship
- Retail
- Medical Offices





ONYX® NFS2-640

Unparalleled flexibility

The NFS2-640 is ideal for mid-size applications, and easily expanded via NOTIFIER's intelligent fire alarm network, NOTI-FIRE-NET, to accommodate future building expansion.

Adapts to Your Needs and Environment

The NFS2-640's modular design maximizes flexibility and allows for customization to meet your specific life safety needs. Should those needs change in the future, the NFS2-640 can adapt with the addition or removal of system modules.

The NFS2-640 self-optimizes each individual sensor's alarm thresholds to speed response times and minimize or eliminate nuisance alarms.

Features and Benefits

- Optional 10" color touchscreen display
- Expandable up to two signaling line circuits
- 318 devices per SLC (159 detectors and 159 modules), 636 devices per panel or network node
- Multiple operator display options
- ONYX Intelligent Sensing
- 6.0 Amp switch mode power supply
- Fully field programmable
- Optional Integrated Digital Voice Command (DVC)
- Networkable with NOTI-FIRE-NET
- Multiple Communicator Options (POTS, IP, Cellular)

Listings

- Releasing
- Mass Notification
- Seismic Certified
- Marine Approved

Applications

- Dormitories
- Warehouses
- Big Box Retail Stores
- Low-rise Office Buildings
- K-12 Schools
- Theaters





ONYX® NFS2-3030

Sheer power and performance

With its impressive point capacity and powerful programming options, the NFS2-3030 is the complete solution for large scale applications requiring superior performance.

Designed for Customization and Increased Capacity

The NFS2-3030 supports over 3,000 intelligent devices on ten Signaling Line Circuits (SLCs) – perfect for protecting high-rises, large manufacturing plants, or multiple campus buildings with a single panel. When additional protection is required, the NFS2-3030 can be expanded using NOTI-FIRE-NET™, NOTIFIER's intelligent fire alarm network.

The modular design of the NFS2-3030 allows authorized users to view and control the system from anywhere in the facility.

Features and Benefits

- Optional 10" color touchscreen display
- Expandable up to ten signaling line circuits
- 318 devices per SLC (159 detectors and 159 modules)
- Multiple Operator Display Options
- Networkable with NOTI-FIRE-NET
- Built-in Degraded Mode option
- Self-optimizing pre-alarm
- Optional integrated Digital Voice Command (DVC)
- EIA-485 annunciators, including custom graphics
- Multiple Communicator Options (POTS, IP, Cellular)
- FM6320 approved gas detection system

Listings

- Releasing
- Mass Notification
- Seismic Certified
- Marine Approved

Applications

- Colleges and Universities
- Hospitals
- High-rise Buildings
- Hotels
- Airports
- Military Bases
- Stadiums



ONYX® Digital Voice Command (DVC)

Integrated emergency communications



NOTIFIER's most powerful Emergency Communications System (ECS), ONYX® Digital Voice Command (DVC) is designed to communicate one- or two-way emergency messages to individuals and groups, plus paging with the NFS2-640 and NFS2-3030.

ONYX solutions are scalable ECS technologies that can be implemented in phases, and integrated as they're brought online - enhancing continuity and control.

Superior Message Clarity

From message storage to amplifier output, voice messages remain in a digital format to eliminate distortion and deliver unequaled clarity.

Broadcast Multiple Messages Simultaneously

ONYX 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. With ONYX DVC, building occupants will receive clear voice instructions pertaining to their location and proximity to the emergency.

Features and Benefits

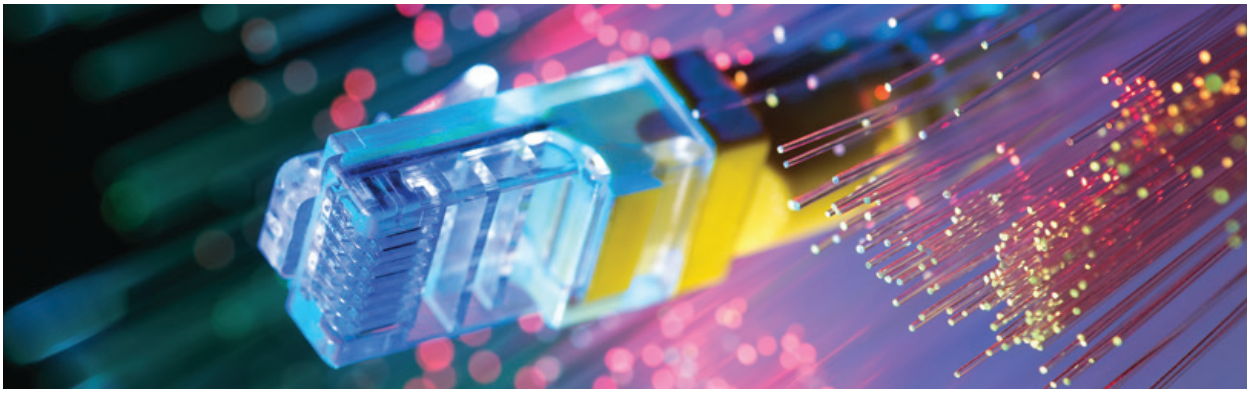
- Advanced audio storage of user-selected messages and tones
- Supports wired and fiber optic media options
- Supports up to 1000 audio sequences
- Message prioritization
- Easily programmable
- Optional DCC mode available
- Direct connection with up to 32 Digital Audio Loop (DAL) devices
- Fast and dependable communication including Firefighters' Telephone Communications to additional command stations

Listings

- Mass Notification
- Seismic Certified

Applications

- Universities
- High Rise Buildings
- Corporate Campuses
- Industrial Facilities
- Chemical and Utility Plants
- Ports
- Mass Transit Hubs
- Sports Arenas
- Government Complexes



Networking and Integration: ONYXWorks®

Uniting multiple systems into one

The ONYXWorks workstation gives you total control over your life safety system. Whether you need to monitor a single building, a campus, or a citywide or global enterprise, ONYXWorks is a single point of control, integrating NOTIFIER systems over a single network.

Highly Intuitive Interface

The intuitive ONYXWorks interface displays building floor plans with interactive fire and security alerts, including clear and concise instructions on what actions must be taken for both fire and non-fire events. Customizable screens and multiple configuration options facilitate set up, minimize operator training and allow you to adapt the system to your needs.

Speak Locally, Act Globally, with NOTIFY-IP

When responding to an event, a coordinated response can save lives and preserve property. NOTIFY-IP, a plug-in to ONYXWorks, broadcasts encrypted, real-time voice instructions to a single facility or to multiple locations worldwide using an IP network. With NOTIFY-IP, the network connection is continuously monitored to ensure system integrity and reliability.



Features and Benefits

- Networkable with NOTI-FIRE-NET
- Flexibility to connect new and existing equipment
- Capable of monitoring other maunufacturers' FACP
- Allows for on-site or off-site programming of floor plan screens, devices and navigation buttons
- Enhanced survivability
- Simplifies daily operations with progammable macro buttons
- Email and text notification
- LED Sign display of real-time event messaging
- Monitors and controls NOTIFIER's Intelligent Aspirating System Detectors



Networking and Integration: NOTI-FIRE-NET™

Peace of mind with enhanced survivability

The NOTI-FIRE-NET intelligent life safety network links multiple 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. The result is greater system survivability.

Easily Accommodates Future Growth

NOTI-FIRE-NET supports all ONYX® Series panels and is backward compatible to Legacy NOTIFIER Panels, allowing you to upgrade your current system without having to replace existing equipment. As your facility grows, NOTIFIER grows and expands with you.



NOTI-FIRE-NET System Features and Benefits

- Supports ONYX Series fire alarm control panels: NFS-320, NFS2-640, NFS2-3030 (NFS-3030, NFS-640)
- ONYX FirstVision™ intuitive touch screen display for first responders
- Network Control Annunciator for network events and network control
- Complies with industry standard BACnet/IP connectivity to Building Automation Systems and Modbus/IP connectivity to industrial control systems
- Supports industry standard connectivity to Distributed Recipient's Mass Notification Systems (DRMNS)
- Advanced Detection capabilities
- LED Sign displays real-time event monitoring and messaging
- Remote connectivity via e-mail and SMS text with NOTI-FIRE-NET Web Server
- **Optional High Speed NOTI-FIRE-NET System provides increased network capacity and improved network communication speeds**



NOTIFIER FirstCommand™

Integrated and expandable emergency communications

NOTIFIER's FirstCommand is a compact, standalone voice evacuation and emergency communication system that can be used in many common building types to meet life safety code or end user requirements for voice or paging during an emergency. This integrated system is easily expanded to include many of the advanced features found in NOTIFIER's more sophisticated Digital Voice Command system such as backup amplification, remote microphones, firefighter telephones, local operating consoles and remote paging units.

FirstCommand Integration

With direct integration to NOTIFIER's addressable ONYX® or FireWarden panels, the fire alarm control panel can take direct control of FirstCommand during an incident. The fire alarm control panel and FirstCommand will act as one unit to identify the alarm location and respond with the appropriate message for that incident or emergency. Programming the integrated FirstCommand system is done via serial communications, and NOTIFIER FirstCommand can be added to buildings with non-NOTIFIER fire panels, making the most of existing fire panels.



The FirstCommand main unit has 50 watts of audio power with the option of sending a message to up to eight discrete speaker circuits. The addition of a second, optional amplifier raises the power output to 100 watts or 50 watts of backup power. Up to fourteen unique messages can be stored in FirstCommand and then directed to the areas of the building where the emergency is unfolding either automatically via programming or manually by the incident commander.

Distributed amplifiers can be added to the main unit for system expansion up to 1,100 watts of speaker power split over 24 speaker circuits. If called for by the system designer, up to eight Local Operating Consoles (LOCs), Remote Paging Units (RPUs), or Remote Microphones (RMs) can be added to FirstCommand via an easy-to-wire interface. LOCs or RPUs can be installed through the building. If an incident occurs near a LOC or RPU, more precise incident management is possible.



Advanced Detection Technology

Speed, stability, and reliability

NOTIFIER's ONYX® Series intelligent life safety systems respond rapidly to incipient fire signatures with unmatched precision. Coupled with NOTIFIER's ONYX Advanced Detection technology, they greatly reduce the occurrence of nuisance alarms. ONYX Advanced Detection is comprised of two key elements: a set of complex software algorithms found in all ONYX Series fire alarm panels, and a suite of advanced, specialty detectors. From mission-critical applications where even a trace amount of undetected smoke is unacceptable, to environments where dust, moisture, or theater smoke is common, ONYX Advanced Detection is the answer.



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. 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 remain functioning at all times. 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-per-foot 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 into a single detector, with both UL 268 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.





FireWarden Series

Addressable intelligence in a right-sized panel

NFW-50X, NFW-50XR

The FireWarden 50X (NFW-50X) comes with a pre-installed communicator and supports up to 50 addressable devices in any combination of detectors or modules. With an extensive list of powerful features, the NFW-50X fits into applications previously served only by conventional panels.

Features and Benefits

- Pre-installed IPOTS-COM Ethernet IP and POTS (Plain Old Telephone Service) Central Station Communicator
- Optional CELL-MOD GSM Central Station Communicator over AlarmNet®
- Ability to go wireless with SWIFT® devices
- Auto-programmable reducing installation time
- Two independently programmable circuits

Listings

- UL
- CSFM

Applications

- Banks
- Child Care Centers
- Places of Worship
- Restaurants
- Small Retail Stores

NFW-100X

The FireWarden-100X (NFW2-100X) is an addressable fire alarm control panel designed for applications requiring advanced addressable intelligence, flexible programming options, and robust power supply for driving horns, strobes, and auxiliary devices.

The NFW-100X comes with a pre-installed communicator and supports up to 198 addressable devices, yet fits into applications previously served only by conventional panels.

Features and Benefits

- Pre-installed IPOTS-COM Ethernet IP and POTS Central Station Communicator
- Optional CELL-MOD GSM Central Station Communicator over AlarmNet®
- Automated activation of the NFC-50/100 Emergency Command Center
- Firefighter Telephone option with the NFC-50/100
- Ability to go wireless with SWIFT® wireless devices
- Auto-programmable reducing installation time
- Ease of maintenance with four programmable function keys
- Four independently programmable circuits

Listings

- UL5
- CSFM

Applications

- Cinemas
- Department Stores
- Food Stores
- Elementary Schools
- Small Nursing Homes
- Assisted Living Facilities

Small Scale Solutions and Communicators



SFP-5UD 5-Zone Control Communicator

- 5 Class B/Style B zones (Class A/Style D with option module)
- 4 Class B/Style Y NACs (Class A/Style Z optional)
- Optional IP Communicator



SFP-10UD 10-Zone Control Communicator

- 10 Class B/Style B zones (Class A/Style Z with option module)
- 4 Class B/Style Y NACs (Class A/Style Z optional)
- Optional IP Communicator



SFP-2402 2-Zone Control

- 2 Class B/Style B zones; i3 ready
- 1 Class B/Style Y NAC, 3.0 Amps and programmable
- strobe synchronization
- Form C Alarm and Trouble relays



SFP-2404 4-Zone Control

- 4 Class B/Style B zones (Class A/Style D optional); i3 ready
- 2 Class B/Style Z NACs (Class A/Style Z optional), 3.0 Amps expandable to 6.0 Amps with programmable strobe synchronization
- Form C Alarm, Trouble and Supervisory relays



RP Series Releasing Controls

- 5 Class B/Style B zones (Class A/Style D with option module)
- 4 Class B/Style Y NACs (Class A/Style Z optional)
- Optional IP Communicator



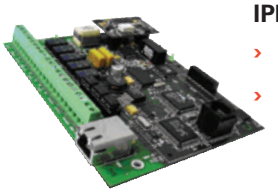
411 Series Communicators

- Three models available:
  - 411 – Slave Communicator
  - 411UD – Slave Communicator with upload/download
  - 411UDAC – Stand-alone Communicator with upload/download
- Up to 4 input channels (3 on the 411)
- Fully programmable with PRO-411 or with Windows® utility (up/download models)



IPGSM-4G Fire Alarm Communicator

- Eliminates phone line expense
- Multiple path for improved connectivity



IPDACT-2/UD Fire Alarm Communicator

- Eliminates standard phone line expense
- Ninety second supervision of communication circuit

For over 60 years, NOTIFIER has been a leader in the fire alarm industry. By selecting NOTIFIER, be confident that you will not only receive the very best in fire alarm and emergency communication systems, but also the knowledge, expertise, and service from NOTIFIER distributors that will exceed your expectations.

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This document is not intended to be used for installation purposes.
We try to keep our product information up-to-date and accurate.
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