

NCA-2 ONYX® Series Network Control Annunciator

General

The NOTIFIER NCA-2 is a second-generation Network Control Annunciator for the NOTI+FIRE+NET** network, compatible for use with ONYX® Setes nodes such as the NFS2-3030, NFS-3030, NFS-320, NFS-640 and NFS2-640 fire alarm control panels, and first-generation NCA Network Control Amunicators. Additionally, the NCA-2 may be configured with DYC Series products to create one or more Digital Audio Command Centers on NOTI+FIRE+NET. The NCA-2 provides system control and display capabilities for all, or for selected network nodes.

The NCA-2 display consists of a 640-character backlit LCD display, and a control intertace consisting of "soff" keys used to navigate screen menus. "hard" keys with fixed control functions, and a GWERTY keypad.

When connected to one or more networked panels the NCA-2 provides network control and status/history display capabilities. If may also be configured as the Primary Display for displayless nodes on the network.

Hardware Features

- Certified for seismic applications when used with the appropriate seismic mounting kit.
- Approved for Marine applications when a marine-listed vession is used with marine-listed compatible equipment. See DN-60688.
- Full supervision of all inputs and network integrity.
- Enhanced-format 660-character LCD display with backlighting.
- ACS bus for LED or graphic annunciators (EIA-485).
- Optically isolated printer interface (EIA-232).
- 11 LED status indicators: Power, Controls Active, Fire Alarm, Pse-Atarm, Security, Alert, Supervisory, Trouble, Signal, Silence, CPU Failure, Point Disabled, Other By ent.
- Alphanumeric QWERTY rubber keypad.
- Four status relays: Alarm, Trouble, Supervisory, Security (Form-C).
- Nonvolstile real-time clock can be synchronized with network by master node.
- Optional Security Keyswitch enables keypad functions.
- Optional Security Tamper switch.
- Supports up to 32 remote ACS annunciators and modules.
- Requires 24 VDC, and a network connection.
- RDP port for LCD-160 or terminal mode LCD2-80.

NOTE: NCA-2 Firmware version 14.0 (and higher) can support LCD-160 on the RDP port, or LCD2-80 in terminal mode, but not both at the same time.

Function Features

- Individual Enable/Disable or Group Enable/Disable local for networked ONYX series panels.
- Control ON/OFF networked ONYX series panel control points.
- Read Status networked ONYX series panel points and zones.
- Network paging control/HVAC control (requires SCS series).
- Network-wide: Advnowledge, Silence, Reset.
- Lamp Test (local to NCA-2).
- History Buffer (1000 Alarm events, 4000 System events).
- Print NCA-2 programming and history reports.



- Report status of networked panels and their respective field devices to a central station via a single UDACT-2 (see data sheet DN-60888).
- One Master level, nine User level passwords. The Master can assign each User access levels (programming, after status).
- Interactive Summary Event Court display, event handling package.
- Online programming and after-status programs.
- Intuitive user guidance program including interactive soft keys.
- Enhanced Read Status/After Status displays.
- New history filters for report displaying and printing: All Events, Only Alarma, Only Troubles, Only Supervisory, Only, Security, Time Interval, Point Range.
- Fully programmable node-mapping subsystem.
- Advanced/Basic Walk-Test program.
- Timer control for Auto Silence, AC Fail Delay.
- Meets Canadian ULC display requirements (with ONYX panels).
- Environmental adjustment controls to maximize LCD tepibility.
- Meets NFPA requirements for Firefighter Smoke Control Station (FSCS) and HVAC (requires SCS series)
- NCA-2 version 20 and higher complies with UL 2572 Mass Notification Systems (with ONYX panels).

NCA-2 Indicators and Controls

LED INDICATORS

- POWER (green) illuminates when 24 VDC power is applied; LED goes out if power is semoved and NCA-2 is using a battery.
- Controls Activit (green) illuminates to indicate that the NCA-2 control functions are active.
- First Acares (red) illuminates when at least one fire alarm event exists; fashes when any of these events remain unadknowledged.
- PRE-ALARM (red) illuminates when at least one pre-alarm event exists. Bashes when any of these events remain unacknowledged.

Notifier Onyx 3030 Series Manual

S Marginson

Notifier Onyx 3030 Series Manual:

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Table of Contents Notifier Onyx 3030 Series Manual

- 1. Understanding the eBook Notifier Onyx 3030 Series Manual
 - The Rise of Digital Reading Notifier Onyx 3030 Series Manual
 - Advantages of eBooks Over Traditional Books
- 2. Identifying Notifier Onyx 3030 Series Manual
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
- 3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Notifier Onyx 3030 Series Manual
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from Notifier Onyx 3030 Series Manual
 - Personalized Recommendations
 - Notifier Onyx 3030 Series Manual User Reviews and Ratings
 - Notifier Onyx 3030 Series Manual and Bestseller Lists
- 5. Accessing Notifier Onyx 3030 Series Manual Free and Paid eBooks
 - Notifier Onyx 3030 Series Manual Public Domain eBooks
 - Notifier Onyx 3030 Series Manual eBook Subscription Services
 - Notifier Onyx 3030 Series Manual Budget-Friendly Options
- 6. Navigating Notifier Onyx 3030 Series Manual eBook Formats

- o ePub, PDF, MOBI, and More
- Notifier Onyx 3030 Series Manual Compatibility with Devices
- Notifier Onyx 3030 Series Manual Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - o Adjustable Fonts and Text Sizes of Notifier Onyx 3030 Series Manual
 - Highlighting and Note-Taking Notifier Onyx 3030 Series Manual
 - Interactive Elements Notifier Onyx 3030 Series Manual
- 8. Staying Engaged with Notifier Onyx 3030 Series Manual
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Notifier Onyx 3030 Series Manual
- 9. Balancing eBooks and Physical Books Notifier Onyx 3030 Series Manual
 - Benefits of a Digital Library
 - o Creating a Diverse Reading Collection Notifier Onyx 3030 Series Manual
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Notifier Onyx 3030 Series Manual
 - Setting Reading Goals Notifier Onyx 3030 Series Manual
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Notifier Onyx 3030 Series Manual
 - Fact-Checking eBook Content of Notifier Onyx 3030 Series Manual
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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