NCD Network Control Display

General

The Network Control Display (NCD) is the next generation of network control annunciators for the NOTI•FIRE•NET™ network. Its contemporary design meets today's building aesthetics. The intuitive 1024 x 600 10" touch screen provides detailed color coded system status and point information. It is compatible with ***NOTIFIER INSPIRE™*** and ONYX® series fire alarm control panels (FACP) and nodes such as the INSPIRE N16e/x FACPs, ACM-30 annunciator, LDM2-32/LDM2-60 lamp driver modules, TM-8 module and RLD remote display as well as the ONYX NFS2-3030, NFS2-640, and NFS-320 FACPs.

The NCD provides system control and status/history display capabilities for all, or for selected network nodes. It can also be used as the primary display for control and status capabilities on a displayless node via Direct Connect.

Hardware Features

- Full supervision of all inputs and network integrity.
- High definition 10" 1024 x 600 color touchscreen display.
- LED status indicators for power and off normal
- Requires 24 VDC, and a network connection or direct connect.
- Three USB 2.0 connections, USB C, USB Micro, and USB A.
- Trouble Relay.
- Tamper and Trouble inputs.

Function Features

- Device information, including point address and description, can be quickly identified.
- Network-wide: Acknowledge, Silence, Reset.
- Lamp Test.
- Interactive Summary Event Count display and event handling.
- Intuitive user guidance program.
- Fully programmable node-mapping subsystem.
- Up to 2000 programmable logic zones
- Up to 32 custom action buttons
- Environmental adjustment controls to maximize display legibility.
- Color coded Icon based event notification.
- Can be used as FACP primary display.
- Supports standard and high speed network systems.
- Event vectoring for quick viewing of event groups.
- Virtual alphanumeric QWERTY keypad and numeric keypad displays when data input is needed.
- Individual Enable/Disable or group Enable/Disable for networked ONYX and INSPIRE series panels.
- Control ON/OFF for networked ONYX and INSPIRE series panel control points.
- Read Status networked ONYX and INSPIRE series panel points and zones.
- History Buffer (10,000 events, 3000 displayed).
- Up to 50 unique users and 5 different user levels.
- Read Status from event display.
- History filters for report displaying.
- Timer control for Auto Silence, AC Fail Delay.
- Custom wallpaper



- A maximum of 80 annunciator devices can be connected to the NCD. Up to 10 annunciators can be configured as routers, each supporting 15 additional annunciators.

NCD Indicators and Controls

- Certified for seismic applications when used with the appropriate seismic mounting kit.
- Network Positive Alarm Sequence (PAS) Presignal
- Signal Silence Inhibit and Automatic Signal Silence timer options
- Meets Canadian ULC display requirements.
- Programmable DRILL participation and Alarm signal ON (ULC Specific) support
- Option to display events by zone with event count per zone (ULC Specific)
- Support for Display and Control Center (DCC) functionality (ULC Specific)
- Resound by primary zone assignment (ULC Specific)

LED INDICATORS

Green LED illuminates when 24 VDC power is applied; When on battery backup, the green LED will not illuminate.

Yellow LED illuminates when an off normal condition exists.

VIRTUAL EVENT INDICATORS

- FIRE ALARM (red) illuminates when at least one fire alarm event exists.
- CO Alarm (blue) illuminates when at least one CO alarm event exists.
- SUPERVISORY (yellow) illuminates when at least one supervisory event exists (i.e., sprinkler valve off normal, low pressure, fire pump running, guard's tour, etc.).
- TROUBLE (yellow) illuminates when at least one trouble event exists.
- POINT DISABLED (yellow) illuminates when at least one disable exists on the network or in the system.
- OTHER (varies) illuminates for SECURITY, PRE-ALARM, CO PRE-ALARM, and CRITICAL PROCESS.
- SIGNALS SILENCED (yellow) illuminates if the NCD Silence touch point has been pressed or if any other node sent a Network Silence command.

FUNCTION TOUCHPOINTS

- Menu
- Login
- Acknowledge
- Alarm Signal ON (Canada Specific)
- Signal Silence
- System Reset
- Drill

Ack (Acknowledge) Tap this touchpoint to acknowledge off all active events.

Alarm Signal ON (Canada Specific) Hold this touchpoint down for two seconds to activate all output circuits including off premise communication.

NOTE: When enabled, the drill touchpoint will be displayed in the Alert Bar.

Silence (Signal Silence) Tap this touchpoint to turn off all control modules, notification appliance circuits, and panel output circuits that have been programmed as Silenceable.

Reset (System Reset) Tap this touchpoint to clear all latched alarms and other events and clear event indicators.

Drill Hold this touchpoint down for two seconds, to activate all silenceable output circuits.

NOTE: When enabled, the drill touchpoint will be displayed in the Alert Bar.

MENU FUNCTION TOUCHPOINTS

Menu function touchpoints are accessed with the menu dialogs.

- ABOUT – tap this touchpoint to view current firmware and hardware revision numbers.
- DISPLAY – tap this touchpoint to adjust display settings.
- LAMP TEST – tap this touchpoint to test display pixels, LED indicators and piezo.

Product Line Information

NOTE: *The suffix "C" indicates that the model is ULC-Listed.*

NCD: Network Control Display. Requires a network communications module (NCM) for networking. In direct connect applications, the NCM is not required. UL/ULC Listed.

For English ULC applications select Regional Setting as "CANADA" in the configuration tool and download to the NCD. The following optional Non-English Languages can be selected from the NCD menu or programmed in the configuration tool and downloaded to the NCD: Canadian French, Spanish or Portuguese.

NCM-W, NCM-F: Standard Network Communications Modules. Wire and multi-mode fiber versions available. See DN-6861.

HS-NCM-W-2/MF/SF/WMF-2/WSF-2/MFSF: High-speed network communications modules. Wire, single-mode fiber, multi-mode fiber, and media conversion models are available. See DN-60454.

NBB-2: Ten inch display annunciator Backbox, surface, black. Mounts NCD and one network control module. UL/ULC Listed.

ABS-2D(C) Annunciator Surface Box: Requires DP-NCD-2D to mount an NCD.

CAB-4 Series Enclosure: Available in four sizes, "AA" through "D". Backbox and door ordered separately; requires BP2-4 battery plate. See DN-6857.

CAB-5 Series Enclosure: Available in five sizes, "A" through "E". Backbox and door ordered separately; requires BP-5 battery dress plate. See DN-62113.

DP-GDIS1: Graphic Annunciator Dress Plate, mounts the 10" graphic display and ONYX Series Annunciators in the top row of a CAB-4 Series cabinet.

DP-GDIS2: Graphic Annunciator Dress Plate, mounts the 10" graphic display and ONYX Series Annunciators in the second, third or fourth row of a CAB-4 Series cabinet.

DP-T2A: Graphic Annunciator Dress Plate, mounts the 10" graphic display and ONYX Series Annunciators in any row of a CAB-5 Series cabinet.

Specifications

ELECTRICAL REQUIREMENTS

The NCD may be powered from any UL Listed non-resettable 24 VDC source from a NOTIFIER compatible fire panel (see panel data sheets).

Power source:

- The N16 on board power supply
- PMB-AUX
- The NFS2-640 and NFS-320 on-board power supply
- AMPS-24 (120 VAC, 50/60 Hz) or AMPS-24E (240 VAC, 50/60 Hz) power supply
- A supervised +24 VDC power supply that is UL-listed for fire protective service.

Current consumption: 360 mA

Current draw (Standby/Alarm)

- ACM-30: 0.087 A (standby), 0.087 A (alarm)
- LDM2-32: 0.026 A (Standby), 0.050 A (Alarm)
- LDM2-60: 0.026 A (Standby), 0.059 A (Alarm)
- TM-8: 0.115 A (Standby), 0.278 A (Alarm)

PHYSICAL SPECIFICATIONS

Weight: 3 lbs (1.36 kilograms).

Temperature and Humidity Ranges: This system meets NFPA requirements for operation at 0°C to 49°C (32°F to 120°F); and at a relative humidity (non-condensing) of 85% at 30°C (86°F) per NFPA. However, the useful life of the system's standby batteries and the electronic components may be adversely affected by extreme temperature ranges and humidity. Therefore, it is recommended that this system and all peripherals be installed in an environment with a nominal room temperature of 15°C to 27°C (60°F to 80°F).

Agency Listings and Approvals

The file number(s) below reference the specific listings for the modules in this document. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

UL/ULC Listed: S635

FM Approved: FM23FPUS0095

CSFM: 7165-0028:0516

FDNY: COA#001761

Certified for Seismic applications in accordance with IBC 2024: VMA-45894-01C

OSHPD Approved: OSP-0072

Standards and Codes

These listings and approvals below apply to the NCD. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

- **UL 864**, 10th edition (Control Units and Accessories for Fire Alarm Systems).
- **UL 2017** (General-Purpose Signaling Devices and Systems)

- **UL 2610** (Commercial Premises Security Alarm Units and Systems)
- **ULC-S527-19** (Control Units and Accessories for Fire Alarm Systems)

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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.
We cannot cover all specific applications or anticipate all requirements.
All specifications are subject to change without notice.

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Country of Origin: USA

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