

# NCD Network Control Display

## General

The Network Control Display (NCD) is the next generation of network control annunciators for the NOTI•FIRE•NET™ network. With a new modern contemporary design, the NCD meets today's building aesthetic needs. The intuitive 1024 x 600 10" color touch screen provides color coded information of detailed system status and point information. It is compatible with ONYX Series nodes such as the NFS2-3030, NFS-320, and NFS2-640 fire alarm control panels, as well as the NCA-2. The NCD provides system control and display capabilities for all, or for selected network nodes.

Additionally in a standalone configuration, the NCD can be used as the primary display for control and status capabilities on display-less node by utilizing Direct Connect.

When connected to one or more networked panels, the NCD provides network control and status/history display capabilities.

## Hardware Features

- Full supervision of all inputs and network integrity.
- High definition 10" 1024 x 600 color touchscreen display.
- LED status indicators
- 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.
- 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 series panels.
- Control ON/OFF for networked ONYX series panel control points.
- Read Status networked ONYX 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



NCD

## NCD Indicators and Controls

### 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
- Signal Silence
- System Reset

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

**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.

## MENU FUNCTION TOUCHPOINTS

Menu function touchpoint are accessible through 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.

## Specifications

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). Product weight is 3 lbs (1.36 kilograms).

## 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: 1) AMPS-24 (120 VAC, 50/60 Hz) or AMPS-24E (240 VAC, 50/60 Hz) power supply; 2) the NFS2-640 and NFS-320 on-board power supply; or 3) a supervised +24 VDC power supply that is UL-listed for fire protective service. The current consumption of the NCD is 360 mA.

## Product Line Information

**NCD:** Network Control Display. Requires a network communications module for networking. In direct connect applications, the NCM is not required.

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

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

**ABS-TD:** Ten inch display annunciator Backbox, Surface, black. Mounts NCD and one network control module.

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

**DP-GDIS2:** Graphic Annunciator Dress Plate. Dress plate is used when the 10" graphic display is mounted in CAB-4 Series cabinet, except top row.

**DP-GDIS1:** Graphic Annunciator Dress Plate. Dress plate is used when the 10" graphic display is mounted in the top row of a CAB-4 Series cabinet.

## Agency Listings and Approvals

These listings and approvals 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 Listed:** S635.

**CSFM:** 7300-0028:0507.

**FM Approved.**



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.

## NOTIFIER

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