



Andover Infinity™ DCX 250 Touch Screen Display Controller

The Andover Infinity DCX 250 touch screen display controller sets a new standard for ease-of-use in man-machine interfaces. Using the flexibility and power of Andover Plain English™ programming language, you can view and create custom control graphics including user-defined floor plans, lighting controls and mechanical systems such as air handlers, VAV boxes or chillers. For security applications, use the DCX 250 to track occupants by location, monitor door status and to arm or disarm high security areas.

The DCX 250 eliminates the need for keyboards, mice and typing skills. Simply touch the screen to select a display, change a setpoint or modify equipment status. The DCX 250 can be mounted and installed anywhere in your facility. With its flush mounted design, it is ideal for conference rooms, lobbies, nurse and guard stations, or virtually any location where building personnel or occupants need quick and direct access to the building.

PROGRAMMING

The DCX 250 can be configured to meet the exact requirements of your application, using the Andover Plain English programming language. Programs are entered into a DCX 250 using a SX workstation, the LSX 280 laptop service tool, or from a dumb terminal connected to a CX or CMX series network controller. Programs are stored locally in the DCX 250. Power failures are not a problem, since all programs are stored in battery-backed RAM with up to 7 years of continuous protection.

COMMUNICATIONS

The DCX 250 display controller can be located anywhere on the Infinet field bus. Up to 32 DCX 250s can be configured as priority controllers on each Infinet. The DCX 250 has real-time access to information from any Infinity controller on the network.

SOFTWARE CAPABILITIES

Using Andover Plain English, you can generate sophisticated graphics and control panels easily. In addition, Andover Plain English allows you to draw lines, circles, rectangles and enter text, locating them anywhere on the DCX 250's 24-line by 40-character display.

In addition, the DCX 250 provides a built-in library of operator controls, including knobs, dials, gauges and buttons, which makes it possible for users to operate and understand the system without formal training or computer backgrounds. You can place real-time data anywhere on the screen, such as setpoints, occupancy counts, and other information that building personnel may need to modify or monitor on a routine basis.

OPTIONAL MOUNTING IN CX NETWORK CONTROLLERS

The DCX 250 is also available as a built-in option for the CX 9000 series network controllers. The front door of these controllers allows direct access to the DCX 250's touch screen display. This option provides operators a convenient user interface in central plants and other large equipment areas.

- User-Friendly Interface Provides Direct Access to Building Management System
- Touch Screen Eliminates Keyboards, Wires, Mice, and Typing
- Andover Plain English Language Simplifies Programming
- User Definable Graphics, Text, and Controls for Quick and Easy Creation of Custom Control Panels
- Built-in Library of Knobs, Dials, Gauges and Buttons Simplify System Operation
- View and Modify Real-Time Information On-Screen
- Flush Mounted Design is Ideal for Conference Rooms, Lobbies, Guard Stations, and Large Equipment Rooms

SPECIFICATIONS

DCX 250 Touch Screen Display Controller

ELECTRICAL

Power:

24 VAC, 50/60 Hz

Power Consumption:

18 VA

Overload Protection:

3 A pico fuse. MOV protected

Real-Time Clock:

Battery-backed real-time clock

MECHANICAL

Operating Environment:

40 to 104°F, (4–40°C), 30 to 85% RH non-condensing

Dimensions:

8" W x 8"H x 3.75"D (203.2 W x 203.2 H x 95.2 D)mm

Overall flush mount enclosure size:

10" W x 10"H (254 W x 254 H)mm

Weight:

9.5 lbs (4.3 kg)

Enclosure Type:

NEMA 1-style enclosure, flammability rating of UL94-5V, IP 20

BATTERY

Battery Backup:

Replaceable, non-rechargeable, lithium battery. Provides 7 years typical accumulated power failure backup of RAM memory and real-time clock.

COMMUNICATIONS

Communications Interface:

Through Infinet field bus to CX or CMX Network Controller or Lap-Top Service Tool

Communication Speed:

300 to 19.2 K Bps

Bus Length:

4,000 ft. (1,220m) standard for Infinet. InfiLink amplification module allows extension to longer distances

Bus Media:

Infinet: twisted, shielded pair, low capacitance cable

Comm. Error Checking:

International Standard CRC 16

CONNECTIONS

Power:

Three-position barrier strip

Infinet Bus:

Removable two-piece terminal strip

GENERAL

Memory Size:

64 K RAM, 128 K EPROM

TOUCH SCREEN DISPLAY

Colors:

White background with blue figures and text, or vice versa (programmable)

Resolution:

320 x 200

Backlight Life:

Minimum of 10,000 hours of continuous operation (Software can automatically turn off the backlight when the display is not in use)

Touch Screen:

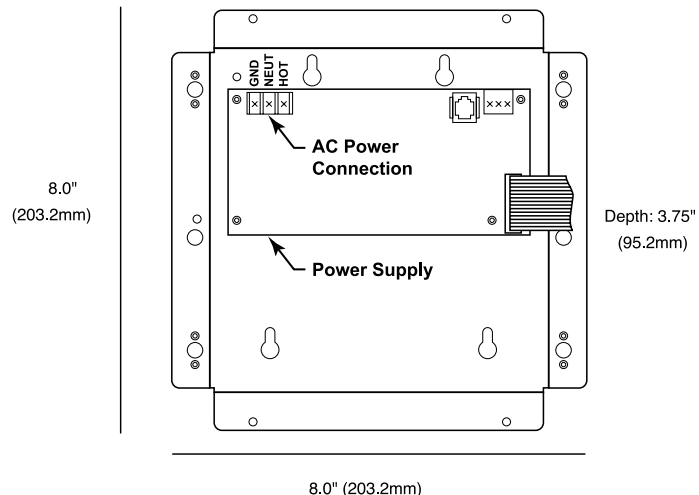
64 key matrix, .562 x .475 inch (14.3 x 12.1)mm resolution

Feedback:

Audio beep

AGENCY LISTINGS

UL/CUL 916, 864-UUKL, FCC, CE



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