

Touchscreen Interface

DHMI-7E

Description

The Delta DHMI is a seven-inch, diagonal color touchscreen HMI (Human Machine Interface) used for interfacing with the Delta Controls building Automation System. The Delta DHMI uses BACnet over Ethernet to communicate with controllers on a local area network. User created graphics allow the DHMI to be completely customized for a given application.



Application

The DHMI allows operators to monitor and manage building HVAC systems by using custom real-time graphics.

The Delta DHMI can be wall or panel mounted in mechanical rooms, which allows for monitoring and setting schedules for air handlers, boilers, chillers and other mechanical equipment.

It is also designed to be mounted in public spaces. The Delta DHMI can be used as a small building interface making it simple to do things such as change occupancy schedules, adjust temperature setpoints and view floor layouts.

Features

- Touchscreen interface, no stylus required
- Attractive, modern design to install in any location
- Panel, wall, new and retrofit wallboard mounting
- Create custom DHMI graphics using Illustrator
- Modify controller schedules and calendars
- Display and acknowledge alarms
- Change setpoints, monitor Inputs and Outputs
- Multiple users and passwords for restricting access
- Adjustable backlighting timeout
- Supports BACnet over Ethernet communications
- Firmware can be flash loaded over the network

Specifications

BACnet Device Profile

BACnet Operator Display (B-OD)
(proposed new profile)

Communications

BACnet over Ethernet

Technology

32-bit RISC ARM9 Processor @ 194 MHz

245MB Flash Memory (~195MB available for graphics and DHMI database)

Real-time clock

Super capacitor for 72-hr backup of real-time clock

LCD Display

Touchscreen LCD with 7-inch diagonal display

High resolution 800 x 480 (WVGA), 16bit color

~40,000 hrs backlight lifetime

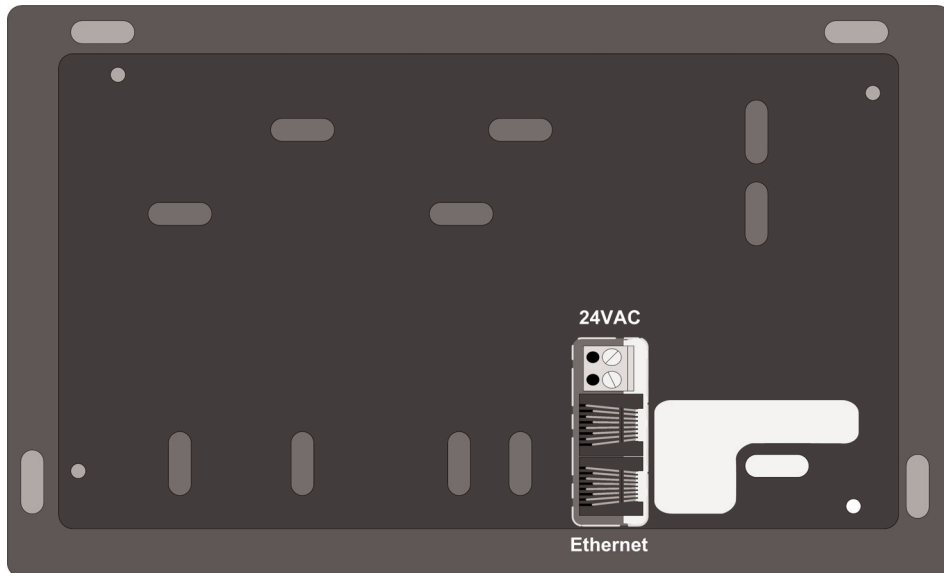
Sound

2-Speakers

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HVAC

Delta DHMI Layout: Back View



Specifications (Continued)

Communication Ports

2 x Twisted-pair Ethernet (10/100-baseT)
BACnet over Ethernet

Wiring Class

Class 2

Power

24 VAC
13VA Max

Ambient

32° to 131°F (0° to 55°C)

RH: 10 - 90 % non-condensing

Dimensions

5.6 x 8.2 x 1.4 in. (142 x 208 x 35 mm)

1.014 lb. (460 g) without DHMI box

Compliance

CE

FCC

Listings

UL-916

Accessories

DHMI-7-BOX - Used for surface mounting with conduit as well as flush wallboard mounting (new and retrofit installations)

Ordering

Order the DHMI according to the following product number:

DHMI-7E--7-inch, Touchscreen DHMI with Ethernet