



Touch Screen Interface: enteliTOUCH (eTCH-7E)

Description

The enteliTOUCH (eTCH-7E) is a 7-inch diagonal, high resolution, wide-screen format, color LCD, used for interfacing with the Delta Controls Building Automation System. It uses BACnet® to communicate with controllers on a local area network, and across the Internet. Expansion modules can add MS/TP communication, or allow the enteliTOUCH to act as a wireless coordinator to enteliMESH products. User created graphics allow the enteliTOUCH to be completely customized for a given application.



eTCH-7E

Application

enteliTOUCH allows operators to monitor and manage building automation systems by using custom realtime graphics.

The enteliTOUCH display 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.

With available expansion modules, the enteliTOUCH can communicate with a BACnet MS/TP subnet or enteliMESH wireless controllers and sensors to form a complete control solution.

Features

- High resolution, wide-screen display
- Touch screen interface, no stylus required
- Attractive, modern design
- Panel, wall, new and retrofit wallboard mounting
- Create custom enteliTOUCH graphics
- Modify controller schedules and calendars
- Display and acknowledge alarms
- Change setpoints, monitor inputs and outputs
- Restrict access with multiple user accounts and individual passwords
- Flashload firmware over the network or from a USB drive
- Optional wireless expansion module for communication with Delta's enteliMESH wireless sensors
- Optional embedded Web server for Internet connection and remote operation
- Optional alarm notification e-mail

Specifications

BACnet Device Profile

BACnet Building Controller (B-BC)

BACnet Operator Display (B-OD)

Technology

32-bit RISC ARM9 Processor

256 MB Flash Memory (~195 MB available for graphics and eTCH database)

Real-time clock

Super capacitor for 72-hr backup of realtime clock

2 USB ports

LCD Display

Touch screen LCD with 7-inch (17.8cm) diagonal widescreen display

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

Sound

1 Speaker

Internal Thermistor

Standard 10kΩ @ 77 °F (25 °C)

External Thermistor

Use a standard 10kΩ Thermistor

Occupancy Sensor (optional)

Passive infrared motion (PIR) sensor

16.4ft (5m) detection radius

Humidity Sensor (optional)

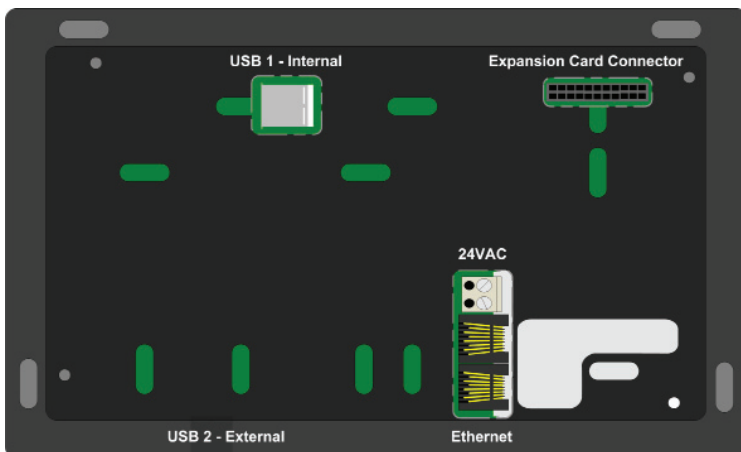
Internal Humidity Sensor

Accuracy of +/- 3% RH from 10% - 80% RH

Stability of <1% RH/yr.

Document Edition 1.3 June 2012

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Ordering

Order the enteliTOUCH according to the following product numbers:

eTCH-7ET	enteliTOUCH with Ethernet and Temperature
eTCH-7ETH	enteliTOUCH with Ethernet, Temperature and Humidity
eTCH-7ETHO	enteliTOUCH with Ethernet, Temperature, Humidity and Occupancy

enteliMESH Wireless Devices

WNS-TxxxB	Temperature Sensor, 3.6V Lithium Battery (see catalog sheet for options)
eM-RPT	enteliMESH Repeater, extends the range of enteliMESH devices

Accessories

eTCH-7-BOX	Use for surface mounting with conduit as well as flush wallboard mounting in new and retrofit installations
eTCH-EXP-MSTP	RS-485 expansion module to integrate with a BACnet MS/TP network*
eTCH-EXP-ZBEE	Wireless expansion module to integrate with enteliMESH wireless devices*
DFF099-CDT	Flash Loader Credits (blocks of 50)
DFF099-KEY	Flash Loader Key with 50 credits

* The enteliTOUCH is limited to one installed expansion module.

Communication

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

BACnet/IP

BACnet over Ethernet

BACnet MS/TP over RS-485 (optional)

ZigBee®—ISM 2.4 GHz frequency band,
wireless digital spread spectrum
802.15.4 compliant (optional)

Wiring Class

Class 2

Power

24 VAC / 10-28 VDC

15VA 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 (460g) without eTCH box

Compliance

CE

FCC

Listings

UL916

Subject to change without notice.

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and Air-Conditioning Engineers (ASHRAE).

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