



## 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 can 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.

It can also be used as the main interface to enteliMESH wireless controllers and sensors, making zone control applications such as VAV, fan coil and heat pump, simple and cost effective.

### 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
- Multiple users and passwords for restricting access
- Firmware can be flash loaded over the network or from a USB drive
- Optional wireless interface for communication with Delta's enteliMESH wireless sensors and field modules
- Embedded web server for internet connection and remote operation
- E-mail alarm notifications automatically

### Specifications

#### BACnet Device Profile

BACnet Building Controller (B-BC)

BACnet Operator Display (B-OD)

#### Technology

32-bit RISC ARM9 Processor

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

Real-time clock

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

2 USB ports

#### LCD Display

Touch screen LCD with 7-inch diagonal widescreen display

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

#### Sound

2-Speakers

#### Internal Thermistor (On-Board)

10kΩ @ 77 °F (25 °C)

#### External Thermistor

Use a standard 10kΩ Thermistor (10kΩ @ 77 °F / 25 °C)

#### Occupancy Sensor (optional)

Passive infrared motion (PIR) sensor

5m (16.4 ft) detection radius

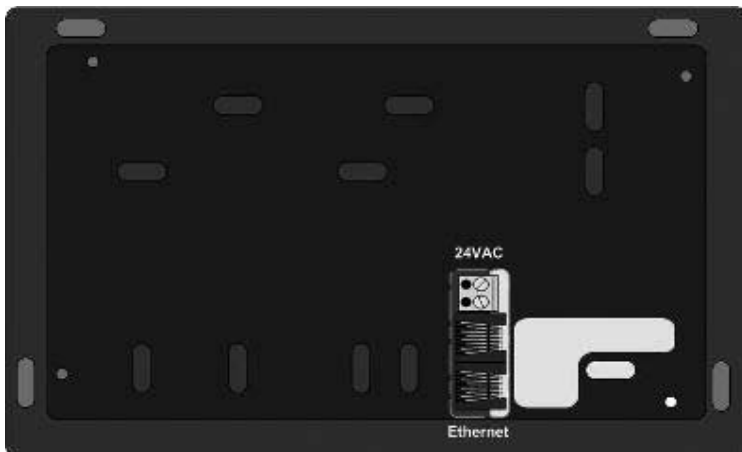
#### Humidity Sensor (optional)

Internal Humidity Sensor (On-Board)

Accuracy of +/- 3% RH from 10% -90% RH

Stability of < 1%RH/yr

## Touch Screen Interface: eTCH-7E



### Ordering

Order the enteliTOUCH according to the following product numbers:  
Custom colors are available. Contact your local Delta representative for details.

<b>eTCH-7ET</b>	enteliTOUCH with Ethernet, and Temperature
<b>eTCH-7ETH</b>	enteliTOUCH with Ethernet, Temperature and Humidity
<b>eTCH-7ETHO</b>	enteliTOUCH with Ethernet, Temperature, Humidity, and Occupancy

### enteliMESH Wireless Devices

<b>WNS-TxxxB</b>	Temperature Sensor, 3.6V Lithium Battery (see catalog sheet for options)
<b>eM-T1xx</b>	Temperature Sensor, solar powered (see catalog sheet for options)
<b>eM-410R4</b>	Wireless I/O Module, 4 Universal Inputs, 4 Binary Outputs, 1 Analog Output
<b>eM-V204AF</b>	2 Analog Inputs, 4 Binary Outputs, DP Sensor for Flow, Integrated Housing, Belimo Actuator with Position Feedback
<b>eM-RPT</b>	enteliMESH Repeater, extends the range of enteliMESH devices

### Accessories

<b>eTCH-7-BOX</b>	Used for surface mounting with conduit as well as flush wallboard mounting (new and retrofit installations)
<b>eTCH-EXP-ZBEE</b>	enteliMESH wireless expansion card for eTCH

### Communication

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

BACnet/IP

BACnet over Ethernet

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

### Wiring Class

Class 2

### Power

24 VAC / 10VDC

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. (460 g) without eTCH box

### Compliance

CE

FCC

### Listings

UL916

Subject to change without notice.

BACnet® is a registered trademark of American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE).

ZigBee® is a registered trademark of the ZigBee Alliance.