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# enteliBUS™

Modular Control System



# ► Modules & Features

## I/O Modules

### eBM-404 / eBM-404-H

- 4 universal inputs
- 4 TRIAC outputs

### eBM-440 / eBM-440-M

- 4 universal inputs
- 4 analog 0-10V outputs

### eBM-440I / eBM-440I-M

- 4 universal inputs
- 4 analog 4-20mA outputs

### eBM-800

- 8 universal inputs

### eBM-D400R4 / eBM-D400R4-H

- 4 digital inputs
- 4 relay outputs

### eBM-D800

- 8 digital inputs

### eBM-R800-1K

- 8 RTD inputs

### eBX-04 / eBX-08

- enteliBUS expander to add up to 8 additional I/O modules

## Product benefits

Delta's industry leading BACnet implementation paired with an ARM9 processor and large memory capacity means enteliBUS has the power and features to tackle even the most demanding building automation applications.

- Expandable to over 300 I/O points
- BACnet IP & BBMD routing ability enables easy integration with IT infrastructure
- Multiple communication options (up to 3 Ethernet ports, 2 RS-485 ports and 2 USB ports) supporting BACnet Ethernet, BACnet IP, MS/TP, Modbus & LINKnet

## Features

Powerful automation engine with ARM9 processor & SD card memory expansion

Hot swap individual modules without shutting down the whole system

DIN rail design is compact and easy to install and maintain



Customizable touchscreen interface enables system interaction at the controller

Unique HAO override switch order provides seamless transfer from auto to hand or off position

Diagnostic lights on each module provide system status at a glance

Universal outputs include 0-100% manual adjust lever option

# ► Applications



Centralized facilities

## Large facility mechanical systems

Large single building facilities have sizeable, complex mechanical systems. The enteliBUS Control System's ability to expand to very high I/O densities is ideal for these large-scale applications.

- Modular design provides a system that is both flexible and cost effective.
- Wide selection of I/O module types allows you to tailor the I/O mix to suit your specific application.
- Add I/O modules as needed. enteliBUS scales to your facility, now and in the future.

## Integrated Access control

Control both HVAC and door access with enteliBUS. There's no need to learn and maintain separate systems. Delta Controls provides a complete top-to-bottom solution, integrating HVAC, Access and Lighting control into a common network that reduces duplication and allows you to manage all three systems from a single workstation.



Centralized facilities

## Networked campuses

The enteliBUS Controller is capable of networking large and spread out facilities so that they can be controlled from a central location. Sprawling University campuses and Health Care facilities can take advantage of the enteliBUS network management features.

- Functions as a BACnet Router, linking zones or buildings together into a larger BACnet network.
- Supports BACnet/IP, BACnet over Ethernet, BACnet MS/TP, Delta LINKnet and Modbus RTU.

## Retrofits

enteliBUS packs a lot of power into a compact footprint making it ideal for retrofit applications. Since enteliBUS typically takes up less space than the controller it is replacing, it can fit into the existing control enclosure. This significantly simplifies the retrofit installation providing labor cost savings and reduced downtime for system changeover.

“

The enteliBUS controller allowed me to pull the existing controllers out, leave the wiring in place and insert the new electronics in the same footprint - made it fast, easy and professional.”

Mark Fulton

Integrity Automated Solutions  
Brea, California, USA

## ▶ Who is Delta Controls?

Delta Controls is one of the largest independent manufacturers of building automation controllers with more than 300 service providers in over 80 countries. For more than three decades Delta Controls has offered dependable and user-friendly building control solutions to commercial, healthcare, education, leisure buildings and more.

Recognized as industry leaders, our track record includes delivering the world's first fully integrated native BACnet building solution encompassing HVAC, Lighting and Access products. Delta Controls continues to be instrumental in the development and evolution of the BACnet open-protocol now the most common protocol in the industry. Our products are easy to integrate into any BACnet system, and with our gateways we are able to work with other protocols too. We believe in your right to choose the right system for your building's specific needs.



To find out about our purchasing models contact us now on  
**1-604-574-9444**

Alternatively visit our website at  
**[www.deltacontrols.com](http://www.deltacontrols.com)**