



## I/O Modules: eBM-D800

### Description

The eBM-D800 is an enteliBUS™ I/O Module with 8 digital inputs. Auto detecting and hot swappable I/O Modules are selected to create the exact I/O combination needed for a given application. Should the application require the system to expand in the future, I/O expansion is easy to add.



eBM-D800

### Application

The enteliBUS Control System is made up of multiple modular components that you select to meet the exact needs of a wide range of HVAC and Access control applications.

The enteliBUS I/O Modules provide the field I/O interface for the enteliBUS Control System. With I/O Modules supporting all common control types this allows the controller I/O mix to be easily and efficiently tailored to fit any application.

### Features

- Auto detecting & hot swappable
- 24V (AC or DC) digital inputs. Module supplies input power simplifying wiring to dry contacts. Input power is fused and monitored
- Tri color LED status indication of each input state, with jumper selectable behavior for input LED action (NO/NC) and color (red, green or yellow)
- Small footprint, DIN rail mountable
- Modular design provides flexibility, ease of service, and reduced cost for future upgrades/expansion

### Specifications

#### Inputs

- 8 Digital Inputs:
  - 24VDC: IEC61131-2 Type 1/3
    - Off: 5.0VDC max
    - On: 11.0VDC min
  - 24VAC: 14KΩ typical loading
    - Off: 5.0VAC max
    - On: 18.0VAC min

Tri color LED status indication of each input with jumper selectable behavior for input LED action and color:

#### LED Action jumper options

- CLS: LED ON when contact closed
- OPN: LED ON when contact opened

#### LED Color jumper options

- GRN: LED ON color = Green
- RED: LED ON color = Red
- GRN + RED: LED ON color = Yellow

#### Connectors

3 Pin removable screw-type terminal connectors

#### Wiring Class

Class 2 / SELV

#### Power

24VAC/DC  
5VA\*

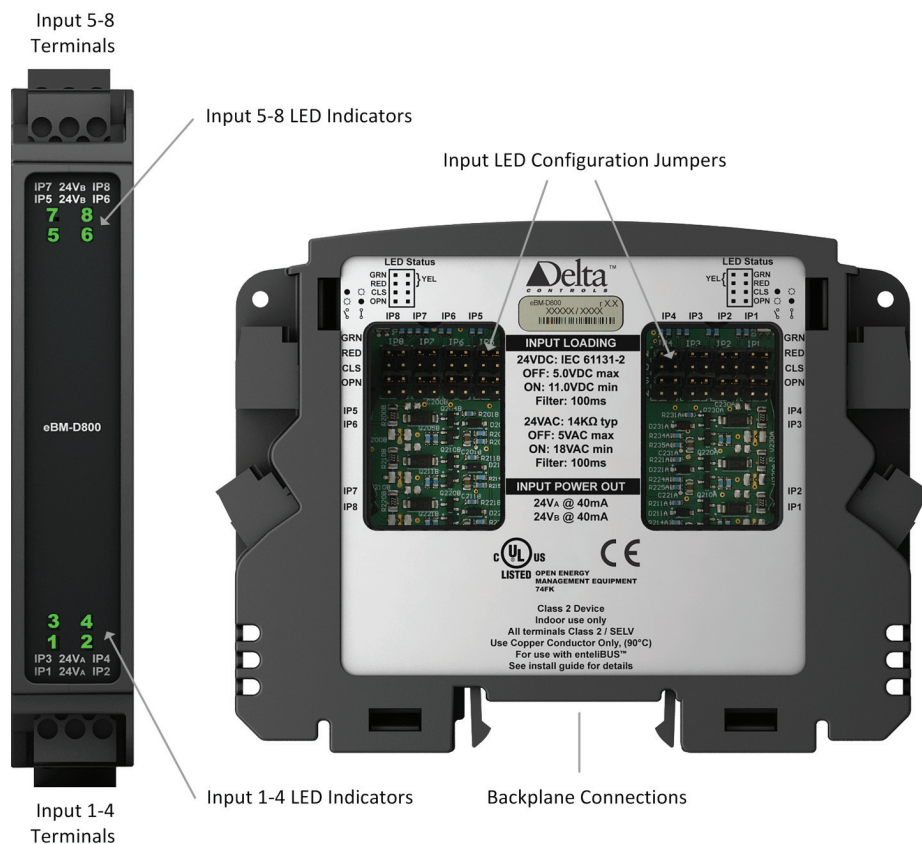
\*I/O Module power is supplied from an eBX or eBCON through the backplane.

#### Ambient

0° to 55°C (32° to 131°F)

10 - 95% RH (non-condensing)

## eBM-D800: Board Layout Diagram



## Specifications (Continued)

### Dimensions

12.6 x 2.3 x 10 cm (5.0 x 0.9 x 4.0")

### Mounting

Snap mounts to enteliBUS Backplane & DIN rail assembly

### Enclosure Protection Rating

IP30

### Compliance

CE

FCC

### Listings

UL 916

## Ordering

eBM-D800	enteliBUS I/O Module - 8x digital inputs
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## Accessories

(See enteliBUS Parts List for a complete list of all available enteliBUS modules and accessories)

eBX-04	enteliBUS Expander – I/O Expander with 4 slot Expander Backplane
eBX-08	enteliBUS Expander – I/O Expander with 8 slot Expander Backplane
eBCON	enteliBUS Controller – Compact CPU/Comm. module with 4 slot Controller Backplane

Subject to change without notice.