

enteliBUS®

I/O Modules: eBM-D800

Description

The eBM-D800 I/O module has 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. When there is a need for the system to expand in the future, I/O expansion is easy to add using these modules.



Features

- ▶ 24V (AC or DC) digital inputs. Module supplies input power simplifying wiring to dry contacts. Input power is fused and monitored.
- ▶ Status of each input indicated by a tri-color LED
- ▶ Small footprint, DIN rail mountable
- ▶ Modular design provides flexibility, ease of service, and reduced cost for future upgrades and expansions.

Application

The enteliBUS Control System is a fully programmable native BACnet® control platform. It is scalable and therefore cost-effective over a wide range of applications, from low-density distributed control to high-density centralized I/O applications.

Used together with an eBMGR or eBCON automation engine, the combination of different enteliBUS I/O modules is designed to support all typical input and output needs. This allows the controller I/O mix to be easily and efficiently tailored to fit any application.

Specifications

Inputs

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

Mounting

Snap mounts to enteliBUS backplane and 35 mm steel DIN rail assembly

Connectors

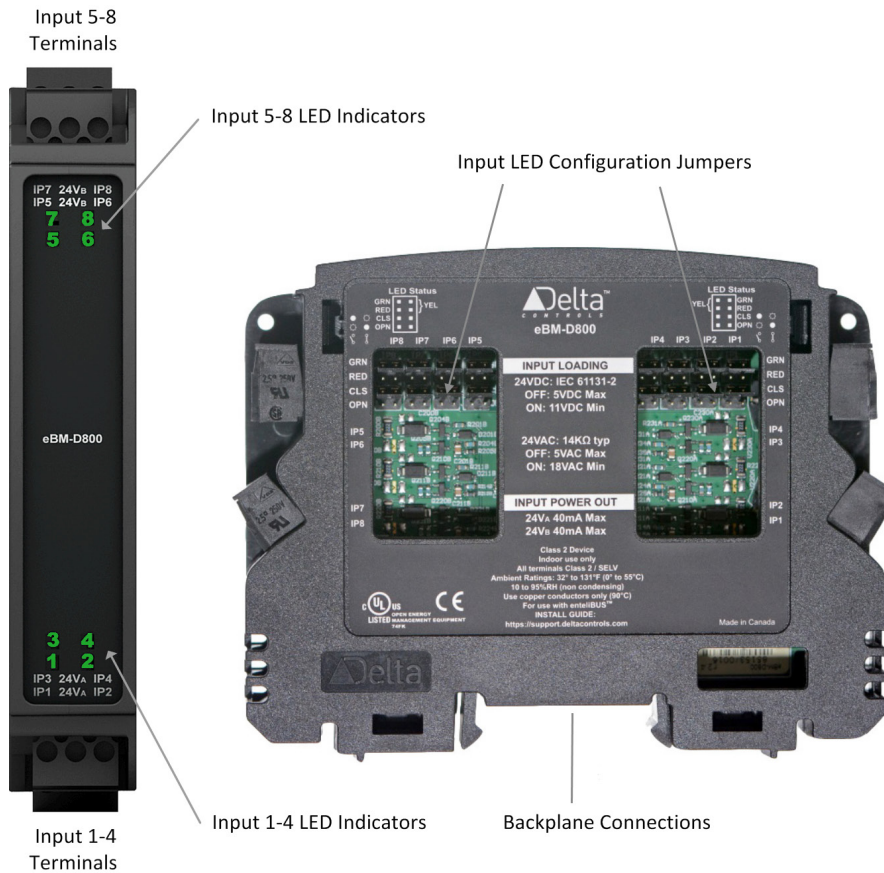
3-pin removable screw-type terminal connectors

Wiring Class

Class 2 / SELV

enteliBUS

eBM-D800: Board Layout



Specifications (Continued)

Power

24 VAC / VDC 50/60 Hz @ 5 VA*

*I/O module power is supplied from an eBX or eBCON through the backplane

Ambient

32° to 131°F (0° to 55°C)

10 to 95% RH (non-condensing)

Weight

0.20 lb. (90 g)

Dimensions

5.0 x 0.9 x 4.0 in. (12.6 x 2.3 x 10 cm)

Enclosure Protection Rating

IP30

Compliance

CE

FCC

Listings

UL 916 Listed

UL 864 Listed for UL 864 product numbers

Ordering

Order the eBM-D800 according to the following product numbers:

| | |
|--------------------|---|
| eBM-D800 | enteliBUS I/O Module with 8 digital inputs |
| eBM-D800-UL864-340 | enteliBUS I/O Module with 8 digital inputs, UL 864 Listed |

Accessories

See the enteliBUS parts list for a complete list of all available enteliBUS modules and accessories.

| | |
|-----------|--|
| eBMGR | enteliBUS Manager — CPU / Comm. module** |
| eBMGR-TCH | enteliBUS Manager — CPU / Comm. module with touchscreen LCD |
| 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** |

** UL 864 versions available

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Subject to change without notice.