

# enteliBUS®

## I/O Modules: eBM-800

### Description

The eBM-800 I/O module has eight universal inputs. All eBM modules are auto-detecting and hot-swappable and can be mixed and matched to create the exact I/O combination needed for a given application.



### Features

- ▶ 8 universal inputs (jumper configurable)
- ▶ 0–100% LED status indication of each input state
- ▶ 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-2 or eBCON-2 automation engine, eBM modules provide the field I/O interface for the enteliBUS control system. The modules support all common control types, allowing the controller I/O mix to be tailored to fit any application.

### Specifications

#### Inputs

8 universal inputs (12-bit or 16-bit\*), jumper configurable for:  
0–5 VDC  
0–10 VDC  
10 kΩ thermistor  
Dry contact (using 10 kΩ thermistor jumper setting)  
4–20 mA

\* Available with eBCON-2, eBMGR-2, or eBX

#### Mounting

Snap mount to enteliBUS backplane and DIN rail assembly

#### Connectors

3-pin removable screw-type terminal connectors

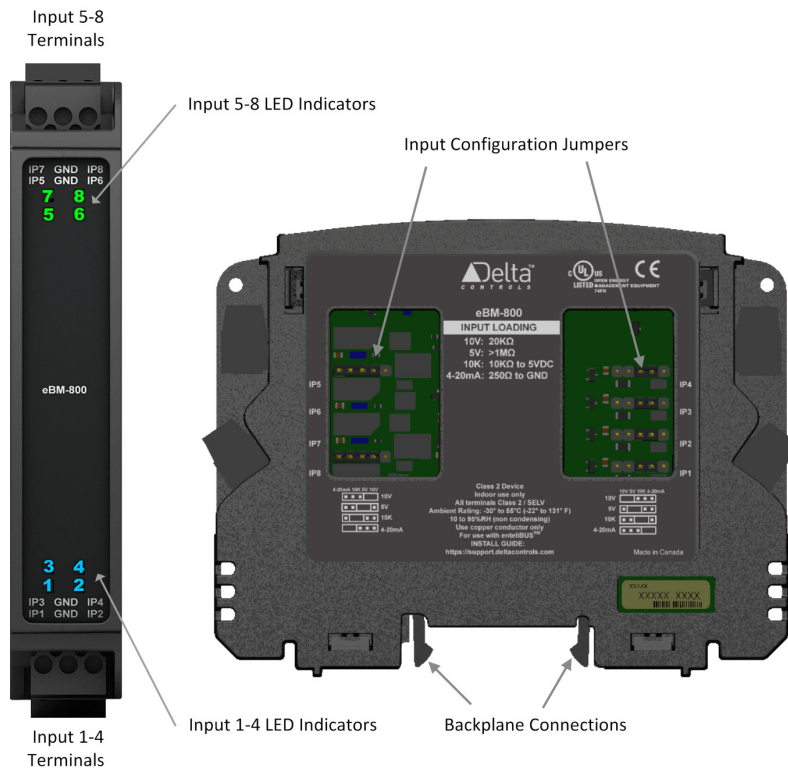
#### Wiring Class

Class 2 / SELV

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## eBM-800: Layout



### Specifications (Cont'd)

#### Power

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

\*\* I/O module power is supplied from an eBX or eBCON-2 through the backplane

#### Ambient

-30°C to 55°C (-22°F to 131°F)  
0°C to 55°C (32°F to 131°F) for UL 864 product numbers  
10% to 95% RH (non-condensing)

#### Dimensions

126 × 23 × 100 mm (5.0 × 0.9 × 4.0 in.)

#### Weight

116 g (0.256 lb)

#### Enclosure Protection Rating

IP30

#### Compliance

CE  
FCC  
EAC

#### Listings

UL 916 Listed  
UL 864 Listed for UL 864 product numbers

### Ordering

Order the eBM-800 according to the following product numbers:

eBM-800	enteliBUS I/O module with 8 universal inputs
eBM-800-UL864-340	eBM-800 with UL 864 listing

### Accessories

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

eBMGR-2	enteliBUS manager—CPU/Comm. module <sup>†</sup>
eBMGR-TCH-2	enteliBUS manager—CPU/Comm. module with touchscreen LCD
eBCON-2	enteliBUS controller with 4-slot controller backplane <sup>†</sup>
eBX-04	enteliBUS expander—I/O expander with 4-slot expander backplane <sup>†</sup>
eBX-08	enteliBUS expander—I/O expander with 8-slot expander backplane <sup>†</sup>

<sup>†</sup> UL 864 versions available (first-generation eBMGR and eBCON only)

Subject to change without notice.

