enteliBUS®

I/O Modules: eBM-800

Description
The eBM-800 I/O module has 8 universal 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
- 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 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 Universal Inputs (12-bit), jumper configurable for:
  - 0-5 VDC
  - 0-10 VDC
  - 10 kΩ Thermistor
  - Dry Contact (using 10 kΩ Thermistor jumper setting)
  - 4-20 mA

Mounting
Snap mount to enteliBUS backplane and DIN rail assembly

Connectors
3-pin removable screw-type terminal connectors

Wiring Class
Class 2 / SELV
Specifications (Continued)

Power
24 VAC/DC 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)

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

Weight
0.256 lb (116 g)

Enclosure Protection Rating
IP30

Compliance
CE
FCC

Listings
UL 916 Listed
UL 864 Listed for UL 864 product numbers

Ordering
Order the eBM-800 according to the following product number:

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>eBM-800</td>
<td>enteliBUS I/O module with 8 universal inputs</td>
</tr>
<tr>
<td>eBM-800-UL864-340</td>
<td>enteliBUS I/O module with 8 universal inputs, UL864 Listed</td>
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</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>eBX-04</td>
<td>enteliBUS expander — I/O expander with 4-slot expander backplane*</td>
</tr>
<tr>
<td>eBX-08</td>
<td>enteliBUS expander — I/O expander with 8-slot expander backplane*</td>
</tr>
<tr>
<td>eBCON</td>
<td>enteliBUS controller with 4-slot controller backplane*</td>
</tr>
<tr>
<td>eBMGR</td>
<td>enteliBUS Manager — CPU / Comm. module*</td>
</tr>
<tr>
<td>eBMGR-TCH</td>
<td>enteliBUS Manager — CPU / Comm. module with touchscreen LCD</td>
</tr>
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</table>

* UL 864 versions available

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