



HVAC CONTROLS

eBM-D800 enteliBUS I/O Modules

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개요 :

eBM- D800은 8개의 Digital 입력단이 있는 enteliBUS 입출력 모듈이다. 자동 감지 및 다양한 입력단으로 교체 가능한 입출력 모듈은 주어진 어플리케이션에 필요한 정확한 입출력 조합으로 구성가능하다. 향후 응용프로그램을 확장해야 하는 경우, 입출력 확장도 쉽게 추가 할 수 있다.



주요 특징 :

- Auto detecting & hot swappable
- 24V (AC or DC) digital inputs. Module supplies input power simplifying wire- ing to dry contacts. Input power is fused and monitored
- Three 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

Application :

enteliBUS 제어 시스템은 광범위한 HVAC 및 출입통제장치 프로그램의 정확한 요구를 충족하는 여러 개의 모듈형 구조로 구성되어 있다.

enteliBUS 입출력 모듈은 enteliBUS 제어시스템을 위한 필드 입출력 모듈 인터페이스 장치를 준비하고 있다. 모든 제어 형태를 지원하는 입출력 모듈을 사용하면, DDC 입출력을 쉽고 효율적으로 혼합하여 어떠한 형태의 입출력 조건을 충족할 수 있도록 입출력 기능이 준비되어 있다.

Specification :

Inputs

8 Digital Inputs:

- 24VDC: IEC61131-2 Type 1/3
- Off: 5.0VDC max • On: 11.0VDC min
- 24VAC: 14K Ω 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 • Or jumper optionsPN: LED ON when contact opened

LED Colo

- 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)



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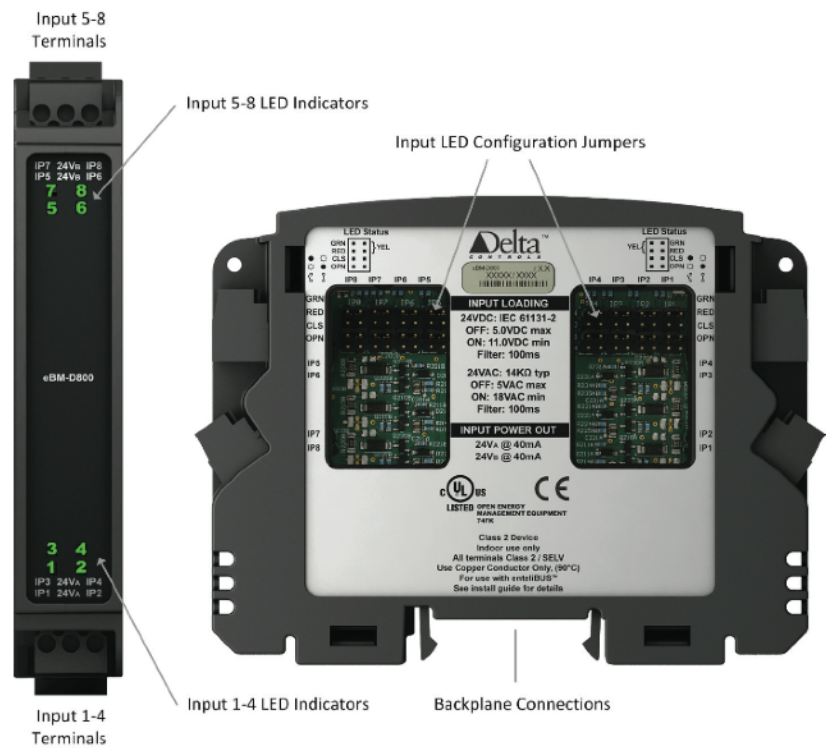
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Board Layout Diagram :



Specification :

Dimensions

12.6 * 2.3 * 10 cm

Mounting

Snap mounts to enteliBUS Backplane & DIN rail assembly

Enclosure Protection Rating

IP30

Compliance

CE

Listing

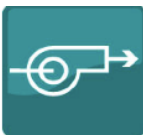
UL916

Ordering

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



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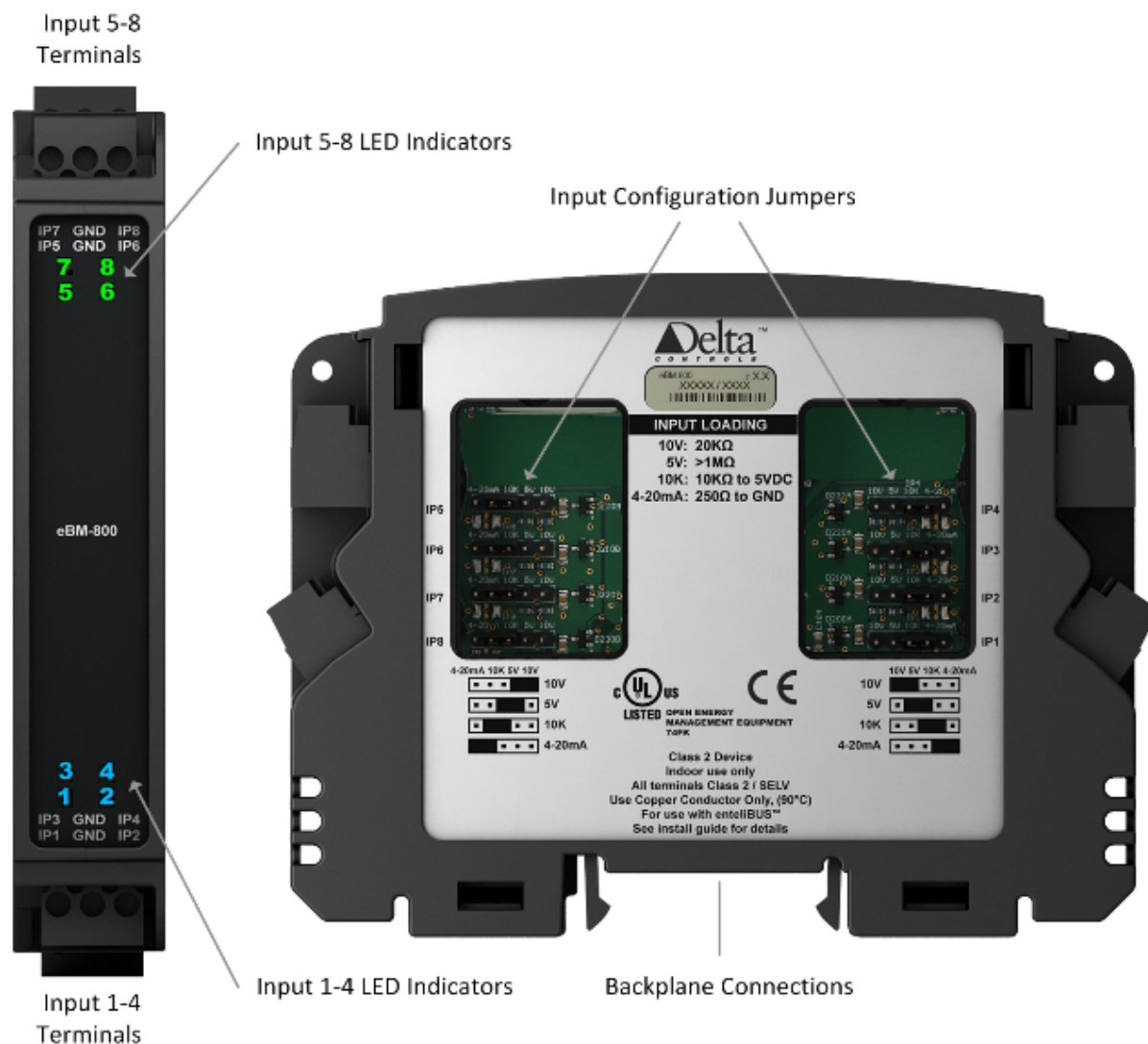
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Jumpering and I/O Contents for Each I/O Module

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Input Wiring

Digital inputs source 24V for dry contact applications. Wire as shown in the detail below:

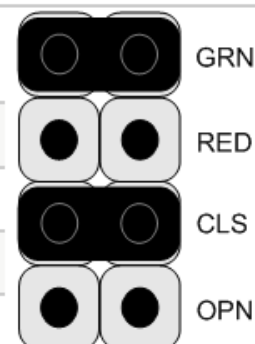


Digital Input Dry Contact Wiring Detail

Input Status LED Configuration

Each input has tri-color LED status indication on the front faceplate. LED behavior is jumper configurable as described in the table below. The diagram to the right shows the factory default selection of green on contact closed.

GRN	LED ON color = Green
RED	LED ON color = Red
CLS	LED ON when contact closed
OPN	LED ON when contact opened



*Note: Jumpering both the GRN and RED jumper positions simultaneously gives a third color option of yellow.