



I/O Modules:: eBM-404

Description

The eBM-404 is an enteliBUS™ I/O Module with 4 universal inputs and 4 24VAC Triac outputs with optional monitored overrides. 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-404-H

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
- Universal inputs (jumper configurable)
- 0-100% LED status indication of each input state.
- 3 position (HAO) monitored output override switches (optional)
- Tri color LED status indication of each output state
- Small footprint, DIN rail mountable
- Modular design provides flexibility, ease of service, and reduced cost for future upgrades/expansion

Specifications

Inputs

4 Universal inputs (12 bit), jumper configurable for:

- 0-5 VDC, > 1MΩ loading
- 0-10 VDC, 20KΩ loading
- 10 KΩ Thermistor, 10KΩ to 5VDC
- Dry Contact (using 10 KΩ jumper setting)
- 4-20 mA, 250Ω to Gnd

LED status indication of each input:

- Black = 0% to Bright Blue = 100%

Outputs

4 Binary Triac outputs

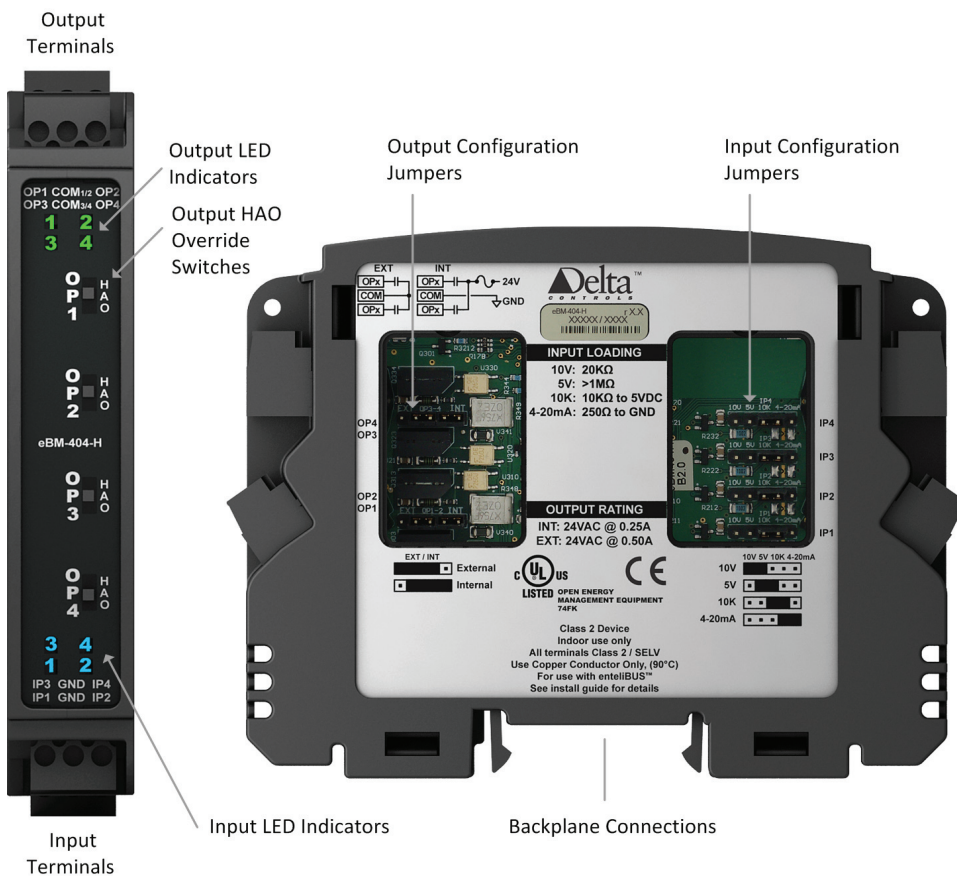
- 24VAC at 0.5 Amp maximum per output*
- Leakage Current 100 μA, min current 25mA
- Jumper configurable for internal* or external power
- 3 position (HAO) monitored output override switches (optional)

*0.25A maximum per output when switching internal power

Tri color LED status indication of each output

- Auto Off = Black
- Auto On = Green
- Manual Off = Red
- Manual On (Hand) = Yellow

eBM-404-H: Board Layout Diagram



Specifications (Continued)

Connectors

3 Pin removable screw-type terminal connectors

Wiring Class

Class 2 / SELV

Power

24VAC

5VA, 27VA max. with fully loaded outputs*

*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)

Dimensions

2.6 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-404	enteliBUS I/O Module - 4x universal inputs & 4x 24VAC Triac outputs
eBM-404-H	enteliBUS I/O Module - 4x universal inputs & 4x 24VAC Triac outputs with 3 position (HAO) override switches

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.