EP.HIO

Entrypass Hybrid Input / Output Control Panel

- Entrypass Hybrid Input/Output control panels enable you to design alarm mornitoring point-by-point and elevator destination control system, letting you customize the access level of individuals card holder depending on your regulated structure with the power to control accessibility from 8 floors to 136 floors. You can choose to utilize the Entrypass Hybrid Input/Output control panel that comes with both serial and active network communication interface to cater for any installation requirement.

Features

- Support up to maximum of 16 inputs & 16 outputs based on per board
- Support dual mode communication (Modbus Serial & Modbus TCP/IP)
- Support both open and close trigger devices
- Support One-To-One / Many-To-Many configuration
- Support both toggle and duration mode
- Support various applications (Alarm / Elevator)

Active Transmit

Rather than keeping events data in the memory awaiting for host-PC to poll, HIO actively transmits the real-time event data to the host server as it happens, meaning events transaction gets delivered and can be act upon faster. (Only when the HIO is polled via TCP/IP protocol)

Built In Web Server

HIO is built-in with web server where network configuration such as IP address, subnet mask, server IP and etc can be easily done upon web browser login. No more factory programming needed as the firmware can be upgraded via the on-board web server.
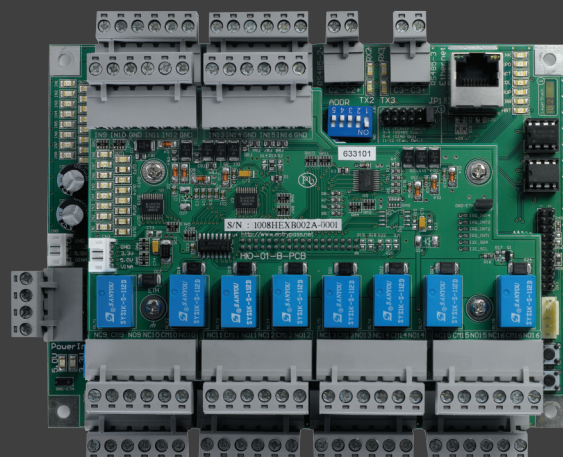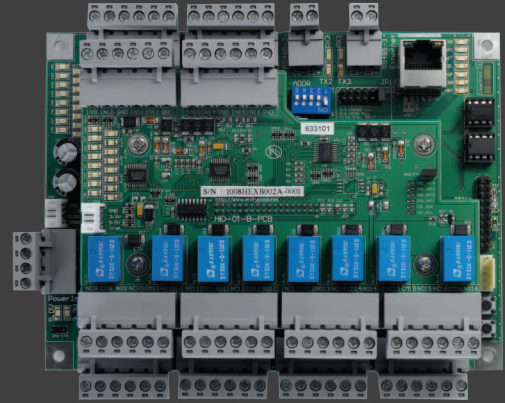
Wizard Installation

Our system provides Wizard Menu guidance function for first time installation. It is absolutely hassle free method as it will provide user step by step installation.

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Technical Specification

Dimension	EP.HIO.PSU	289mm (W) x 309mm (L) x 85mm (H)
	EP.HIO.PCB	161mm (W) x 12mm (L)
MCU	64 KB	
Memory	256K Flash Memory	
	32K SRAM (Buffer)	
	32Mbits Non-Volatile SPI Flash Memory (Storage)	
Operating Temperature	0 °C to 65 °C	
Digital Input	8 - Expandable to 16 with EP.HIO.EXP	
Digital Output	8 - Expandable to 16 with EP.HIO.EXP	
Serial Communication Port	RS232/RS485 User Configurable	
Network Communication Port	RJ-45 (10/100mbps)	
Communication Protocol	Modbus Serial / Modbus TCP/ IP	
Power Protection	Resettable Fuse - 2.5A	
Surge Protection (Comm/DI)	24.4V 25.1A / 32.5V 123A	
Onboard LED Control	Power / Communication / LAN / Event	
Trigger Mode	Open Trigger / Close Trigger	
Function Mode	Toggle Mode / Duration Mode	
Timezone Control	Yes	

ENTRYPASS™

www.entrypass.net

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Basic Diagram System

Host Server

Network Card

Network Switch

TCP/IP Network

RS-232/RS-485 Converter

RS-485 (Maximum 16 Notes)

Power Supply

HIO

Inputs — 1 ... 16

Outputs — 1 ... 16

Power Supply

HIO

Inputs — 1 ... 16

Outputs — 1 ... 16

Power Supply

HIO

Inputs — 1 ... 16

Outputs — 1 ... 16

Power Supply

HIO

Inputs — 1 ... 16

Outputs — 1 ... 16
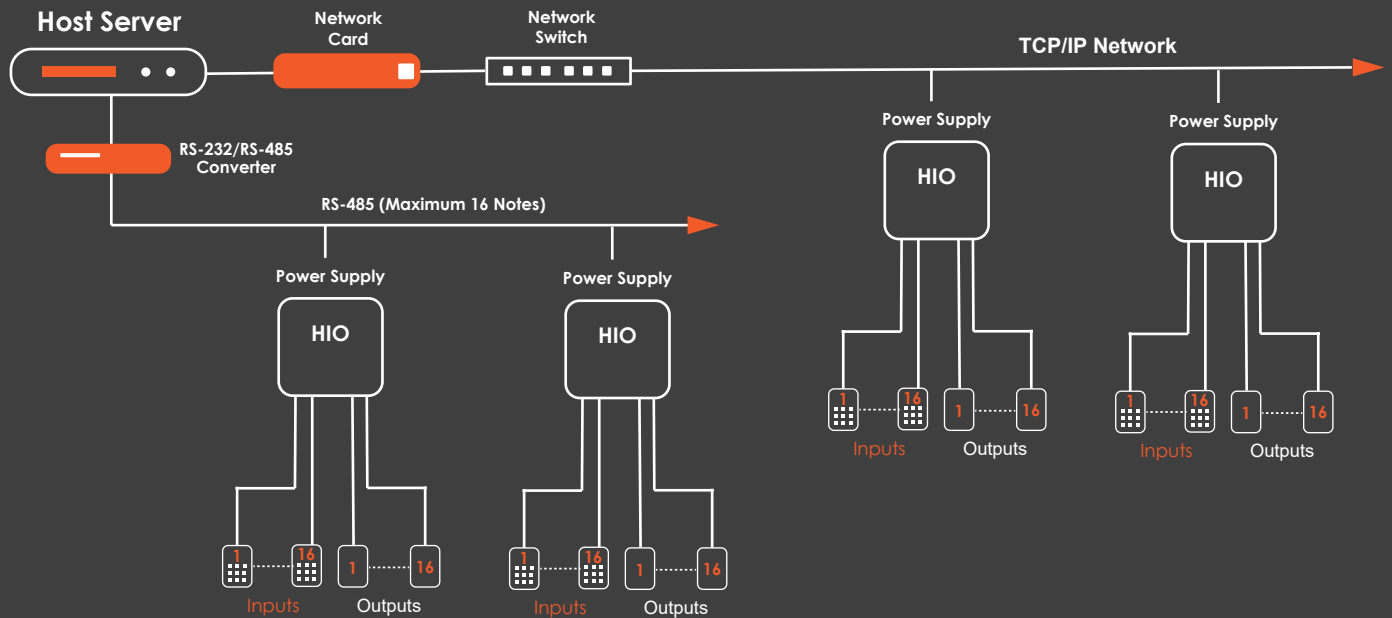
Ordering Information

EP.HIO.PSU	Entrypass Hybrid I/O Board Control Panel (8 In, 8 Out, c/w PSU)
EP.HIO.PCB	Entrypass Hybrid I/O Board Control Panel ((8 In, 8 Out, PCB only)
EP.HIO.EXP	Entrypass Hybrid I/O Expansion Board (8 In, 8 Out)

ENTRYPASS

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