ETHERNET CONTROL SYSTEMS

GENERAL INPUT CONTROLLER

Overview

The ECON General Input Controller (GIC) allows integrators to quickly and easily incorporate a wide variety of field inputs into an integrated control system. The GIC is an Ethernet based controller that provides 16 sourcing inputs for applications such as monitored only doors, to alarms, or any general system input. The GIC is available in a 1 RU format that fits easily in open frame or enclosed data racks as well as a panel mount version for use in wall mount enclosures. Both formats allow installers to easily access the wiring connections on both the front and rear panels. The rack mount format also affords installers the use of standard 19" rack wire management hardware.

Control

The GIC accepts up to 16 inputs and can be configured to require either a N.O. or a N.C. contact for normal state. Each field wire connector includes a constant +24 vdc output terminal and an input terminal. Like all ECON I/O, the GIC allows users to associate any input in the system with any output.

Management

The GIC includes an LCD display to that shows device information such as IP address, subnet mask, gateway etc. as well as the status of each input.

The GIC can be easily configured using the ECON Configuration utility or through the embedded web server. Users can edit network settings, monitor input and output status and view or edit other controller parameters.

Communication

The GIC utilizes industry standard 802.3u fast Ethernet for control communication. Like all ECON controllers, the GIC utilizes a highly secure encryption algorithm to guard against unauthorized control or monitoring. The GIC utilizes ECON's Open Protocol Integration platform (OPI), which allows integrators to utilize either ECON's powerful CAM software for control or most major PLC control packages.

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Specifications:

Status Monitoring Made Easy.

General

Rack mount Dimensions (H x W x D) .....1.75" x 19" x 7.75"

Panel mount Dimensions (H x W x D).....2.15" x 6.25" x 12.75"

Rack Mount Weight.....6.2 Lbs

Panel Mount Weight .....5.3 Lbs

Environmental

Storage Temperature..... -40° to 85° C (-40° to 185° F)

Operating Temperature.....0° to 50° C (32° to 122° F)

Storage Humidity.....5 to 85% relative humidity, non-condensing

Operating Humidity.....5 to 85% relative humidity, non-condensing

Electrical

Rack Mount operating Input voltage .....90-264 VAC

Panel Mount operating Input voltage 24VDC

Inputs .....Sixteen sourcing inputs @ 24VDC voltage isolation 5300Vrms

Outputs .....N/A

Max Power consumption ..... 45 Watts

Communications

Ethernet.....1 x 10/100 auto sensing

- Support for Hardwired TCP/IP Protocols TCP, UDP, ICMP, IPv4 ARP, IGMP, PPPoE, Ethernet
- 10BaseT/100BaseTX Ethernet PHY embedded
- Auto Negotiation (Full-duplex and half duplex)
- Auto MDI/MDIX
- ADSL connection (with support for PPPoE Protocol with PAP/CHAP Authentication mode)
- ECON OPI platform
- Supports up to 4 independent sockets simultaneously
- Internal 16Kbytes Memory for Tx/Rx Buffers
- 0.18 µm CMOS technology
- Serial Peripheral Interface(SPI MODE 0, 3) Multi-function LED outputs (TX, RX, Full/Half duplex, Collision, Link, Speed)

USB.....1 x USB 2.0 Mini-B

Wiring Summary

Each field wire connector includes the following:

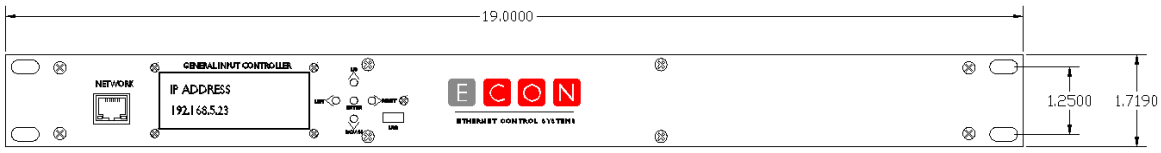
1. Terminal 1 +24 output to contact
2. Terminal 2 Status Input

Model Numbers

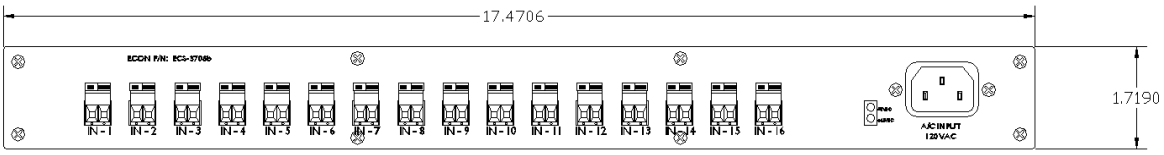
ECS-3708B-RM .....Rack mount controller
ECS-3808B-PM .....Panel mount controller

General Input Controller RACK MOUNT Dimensional Drawings

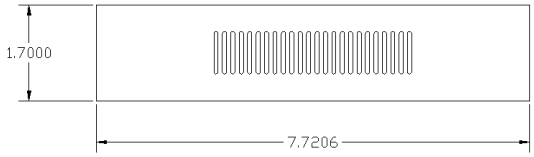
Front Panel View



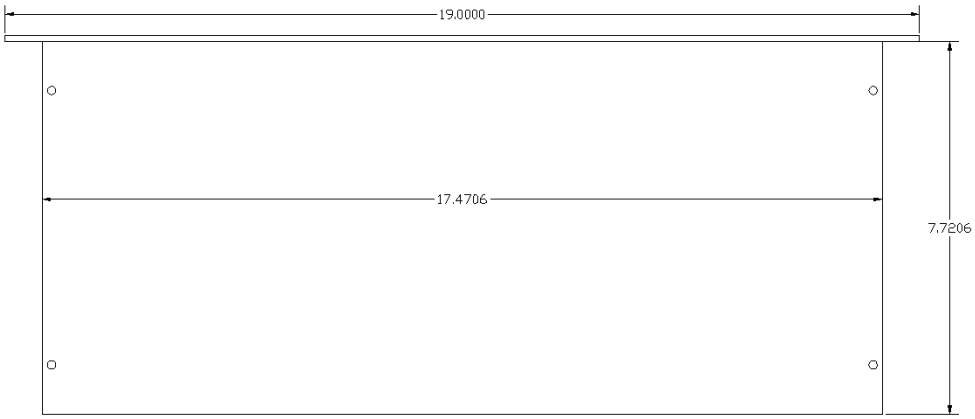
Rear Panel View



Side View

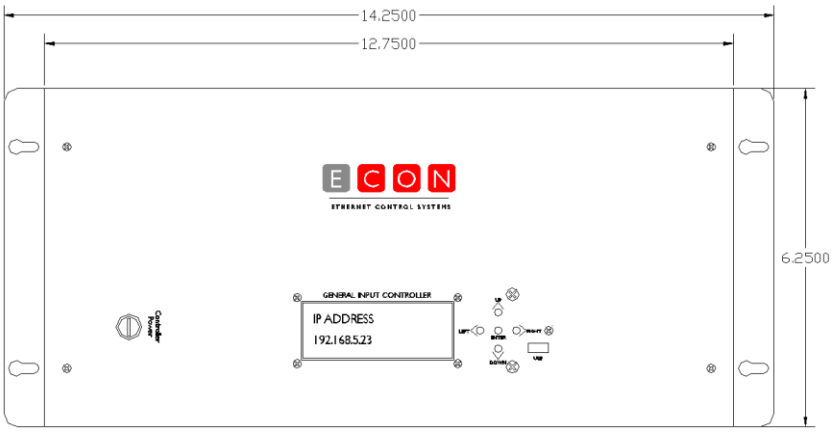


Top View

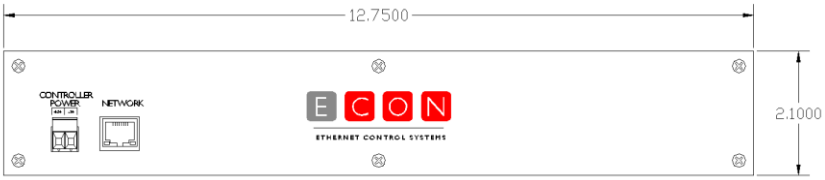


General Input Controller PANEL MOUNT Dimensional Drawings

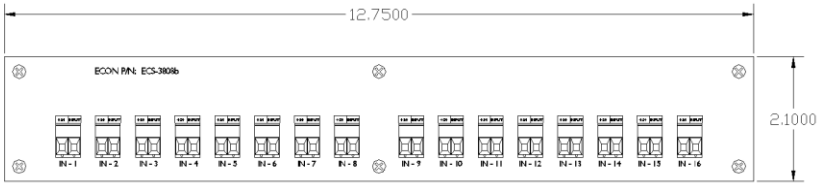
Top View



Front Panel View



Rear Panel View



Side View