



ETHERNET CONTROL SYSTEMS

GENERAL OUTPUT CONTROLLER



Overview

The ECON General Output Controller (GOC) provides integrators an easy way to add general purpose form C contacts to an integrated control system in both new and existing correctional facilities. The GOC 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 GOC controls up to 16 devices and can be used in a wide range of applications such as operating, water valves, providing contacts to 3rd party systems or general power handling applications. Each field wire connector includes a terminal for Common, and N.O. and N.C. terminals. Like all ECON I/O, the GOC allows users to associate any input in the system with any output.

Management

The GOC 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 and output.

The GOC 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 GOC utilizes industry standard 802.3u fast Ethernet for control communication. Like all ECON controllers, the GOC utilizes a highly secure encryption algorithm to guard against unauthorized control or monitoring. The GOC 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:

Relay Control 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.....6.4 Lbs
- Panel Mount Weight5.5 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 voltage90-264 VAC
- Panel Mount operating Input voltage24VDC
- InputsN/A
- OutputsSixteen Form C, N.O. outputs 10 Amp contact rating at 120 / 240 VAC
- 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 – Relay Common
 2. Terminal 2 – N.O. Relay Contact
 3. Terminal 3 – N.C. Relay Contact

Model Numbers

- ECS-3707B-RMRack mount controller
- ECS-3807B-PMPanel mount controller



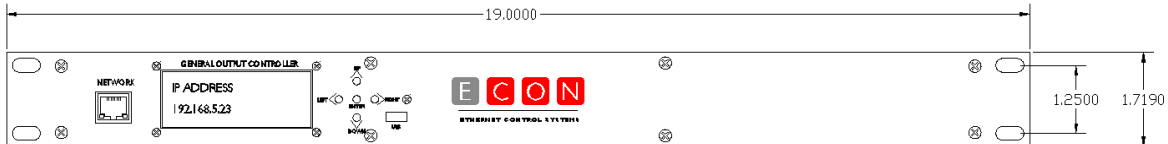
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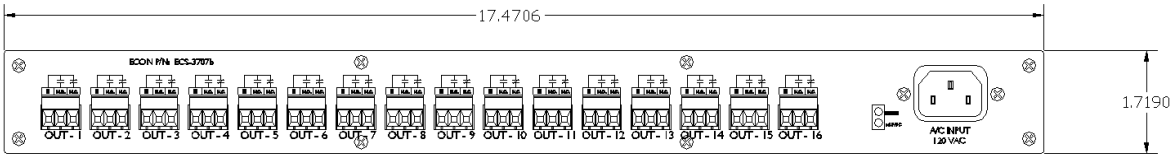
GENERAL OUTPUT CONTROLLER

General Output Controller RACK MOUNT Dimensional Drawings

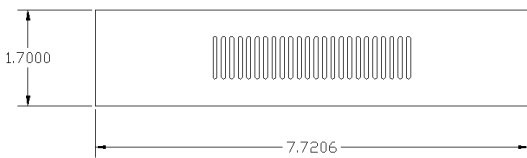
Front Panel View



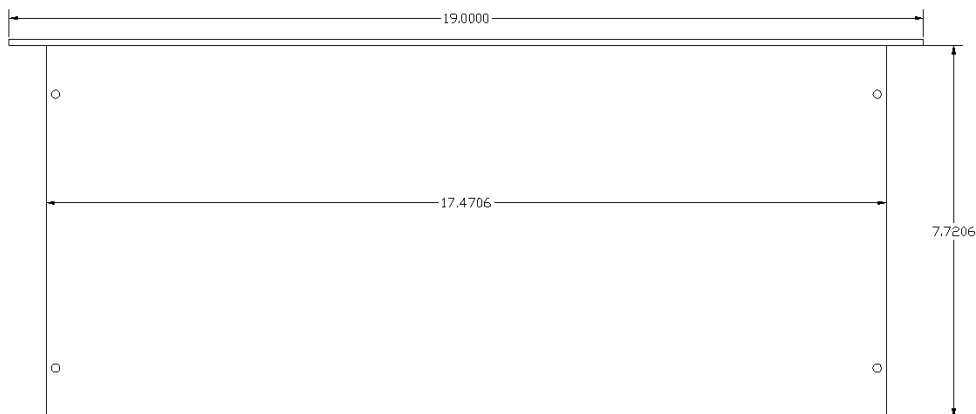
Rear Panel View



Side View



Top View





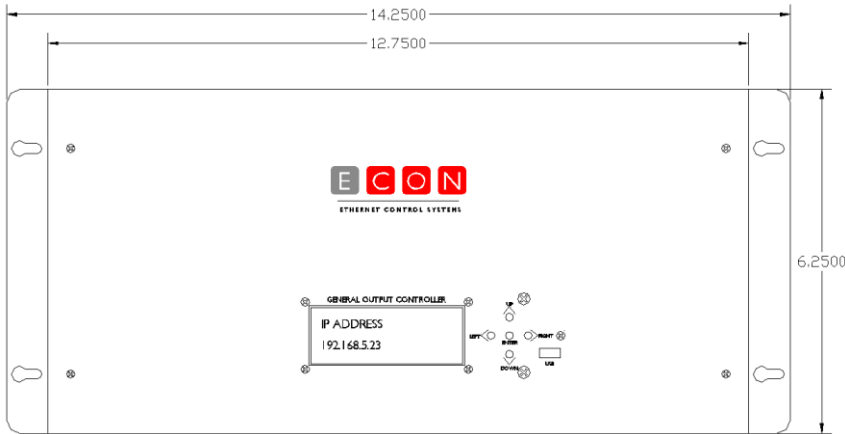
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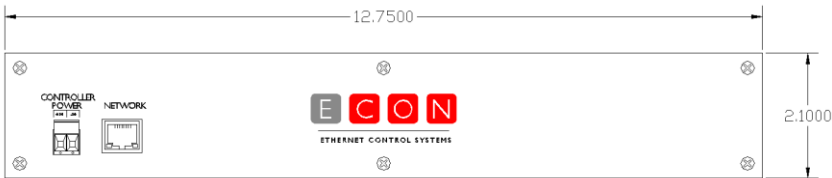
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General Output Controller PANEL MOUNT Dimensional Drawings

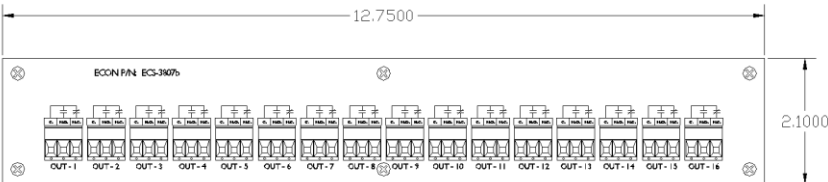
Top View



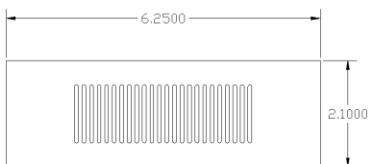
Front Panel View



Rear Panel View



Side View



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