



ETHERNET CONTROL SYSTEMS

TELEPHONE LINE CONTROLLER



Overview

The ECON Telephone Line Controller (TLC) is the perfect way to control inmate telephones. The TLC provides twelve Double Pole Single Throw (DPST) low-current audio grade relays that can be used to make / break phone lines to inmate payphones. The TLC 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 TLC provides 12 DPST relays that for a total of 24 contacts. Each output connector has two Commons and two N.O. terminals. Like all ECON I/O, the TLC allows users to associate any input in the system with any output.

Management

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

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

Phone 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.....6.2 Lbs
 Panel Mount Weight5.3 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 voltage90-264 VAC
 Panel Mount operating Input voltage24VDC
 InputsN/A
 Outputs12 DPST –
 Contact rating 0.5 A at 125 VAC 1 A at 24 VDC
 Contact material Ag (Au clad)
 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 1
2. Terminal 2 – N.O. Relay Contact 1
3. Terminal 3 – Relay Common 2
4. Terminal 4 – N.O. Relay Contact 2

Model Numbers

ECS-3718B-RMRack mount controller
 ECS-3818B-PMPanel mount controller

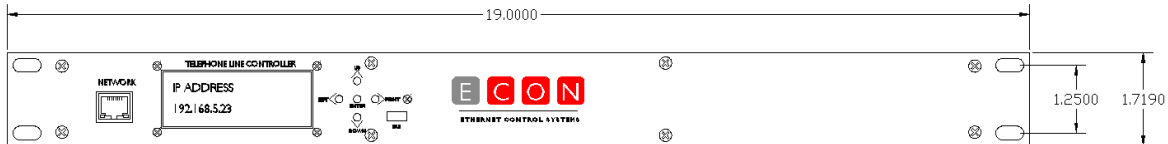


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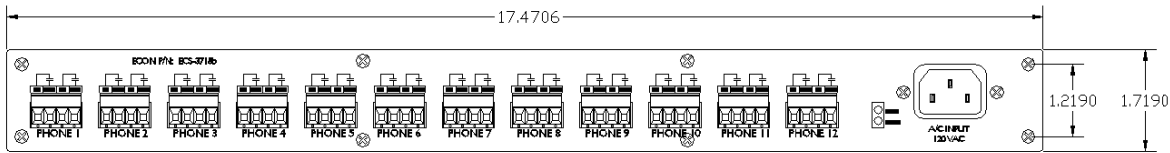
TELEPHONE LINE CONTROLLER

Telephone Line Controller RACK MOUNT Dimensional Drawings

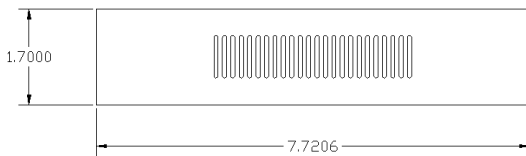
Front Panel View



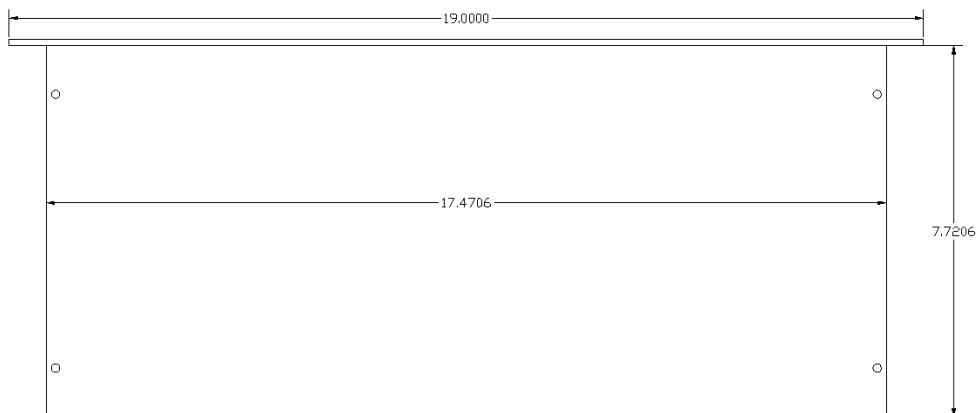
Rear Panel View



Side View



Top View



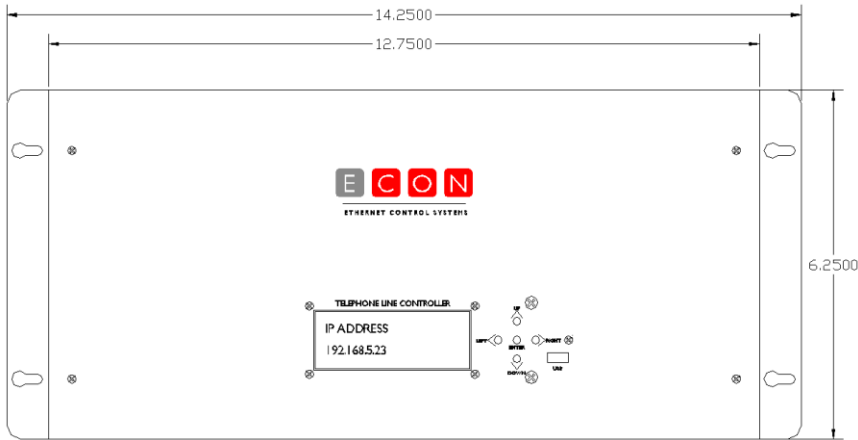


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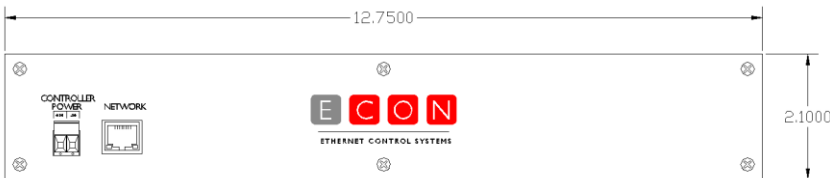
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Telephone Line Controller PANEL MOUNT Dimensional Drawings

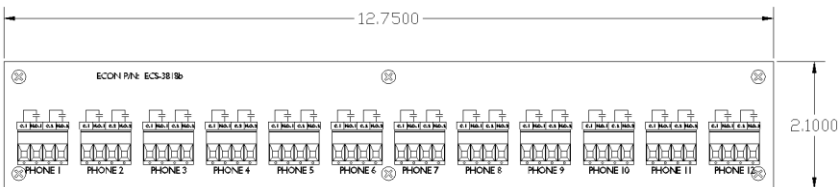
Top View



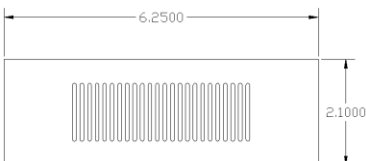
Front Panel View



Rear Panel View



Side View



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