



ETHERNET CONTROL SYSTEMS

UNIVERSAL LIGHT CONTROLLER

Overview

The ECON Universal Light Controller (ULC) provides 16 high current form A relay outputs to control power circuits and HID type lighting fixtures. The ULC is the perfect choice for applications such as Dayroom and cell lighting control as well as dayroom Television or power circuit control. The ULC is available in a panel mount form factor for use in wall mount enclosures. It offers easy access the wiring connections on both edges of the controller.

Control

The ULC provides 16 relay outputs connected to high current barrier blocks.

Management

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

Lighting Made Easy.

General

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

Panel Mount Weight6.5 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

Panel Mount operating Input voltage24VDC

InputsN/A

Outputs16 form A

Contact rating resistive load:

Max. switched power:..... 13850 VA

Max. switched current:50 A

Max. switched voltage:440 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 – Line
2. Terminal 2 – Load

Model Numbers

ECS-3720B-RMRack mount controller

ECS-3820B-PMPanel mount controller

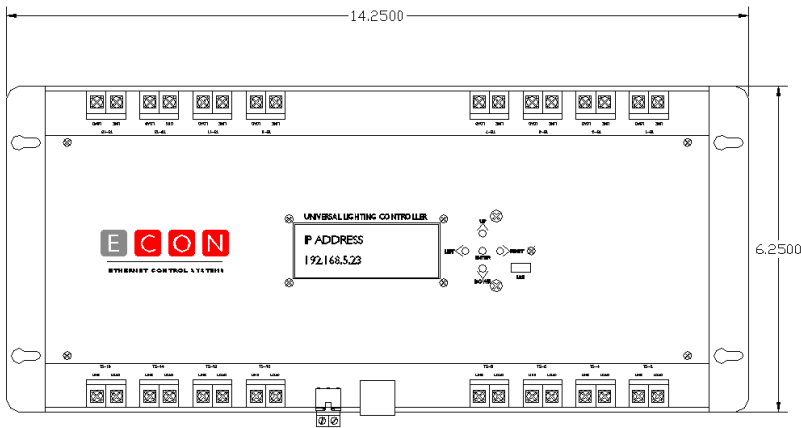


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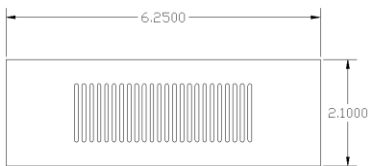
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Universal Light Controller PANEL MOUNT Dimensional Drawings

Top View



Side View



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