



AL400ULACM & AL400ULACMCB

Power Supplies

Harrington Signal Inc.
 2519 4th Avenue, Moline, Illinois 61265
 P.O. Box 590, Moline, Illinois 61266-0590
 Phone: (800) 577-5758 Local: (309) 762-0731 Fax: (309) 762-8215
 Internet: www.harringtonfire.com

MEA
Approved



Description

The AL400ULACM / AL400ULACMCB converts an 115VAC 60Hz input into eight (8) independently controlled 12VDC or 24VDC Fail-Safe and/or Fail-Secure outputs with a total of 4 amp @ 12VDC or 3 amp @ 24VDC continuous supply current.

Outputs are activated by an open collector sink or normally open (NO) dry trigger input from an Access Control System, Card Reader, Keypad, Push Button, PIR, etc. These units will route power to a variety of access control hardware devices including Mag Locks, Electric Strikes, Magnetic Door Holders, etc. The outputs will operate in both Fail-Safe and/or Fail-Secure modes.

The units are designed to be powered by one common power source (factory installed) which will provide power for both the board operation and locking devices, or two (2) totally independent power sources, one (1) providing power for board operation and the other for lock / accessory power.

The FACP Interface enables Emergency Egress, Alarm Monitoring, or may be used to trigger other

auxiliary devices. The fire alarm disconnect feature is individually selectable for any or all of the eight (8) outputs.

Features

- AL400ULACM features 8 independently controlled fuse protected outputs
- AL400ULACMCB features 8 independently controlled PTC protected outputs
- 12 VDC or 24 VDC outputs
- 12 VDC @ 4 amp supply current or 24 VDC @ 3 amp supply current
- Class 2 Rated power limited outputs
- Power supply input options:
 - a) One (1) common power input for ACM8 / ACM8CB and lock power (factory installed)
 - b) Two (2) isolated power inputs- One (1) to power the ACM8 / ACM8CB and one (1) for lock accessory power, (external power supply is required). (Current is determined by the power supply connected, not to exceed a maximum of 10 amp total).
- Eight (8) Access Control System trigger inputs
 - Input options:
 - a) Eight (8) normally open (NO) inputs



- b) Eight (8) open collector inputs
 - c) Any combination of the above
 - Eight (8) independently controlled outputs
 - Output options:
 - a) Eight (8) Fail-Safe and/or Fail-Secure power outputs
 - b) Eight (8) form "C" 5 amp rated relay outputs (AL400ULACM only)
 - c) Any combination of the above (AL400ULACM only)
 - 8 independently auxiliary power outputs (un-switched)
 - Output ratings:
 - Fuses are rated @ 3.5 amp (AL400ULACM)
 - PTCs are rated @ 2.5 amp (AL400ULACMCB)
- Continued on page 2*

Ordering Information

Model Number	Part Number	Description
AL400ULACM	AL400ULACM	Eight independently controlled fuse protected outputs
AL400ULALMCB	AL400ULALMCB	Eight independently controlled PTC protected outputs
AL400ULXB	AL400ULXB	Power Supply Board



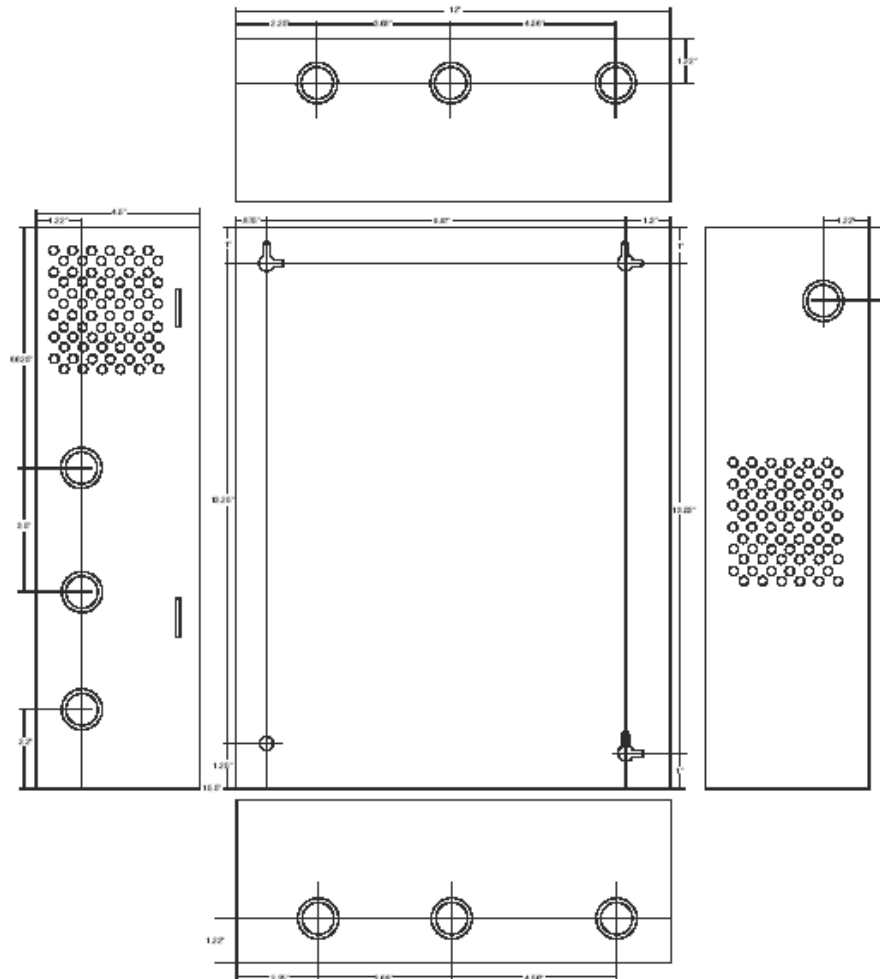
Features Continued

- ACM8 board main fuse is rated at 10 amp
- Input 115VAC 60Hz rated @ 1.9 amp
- Filtered and electronically regulated outputs (built-in power supply)
- Red LEDs indicate outputs are triggered (relays energized)
- Fire Alarm disconnect (latching or non-latching) is individually selectable for any or all of the eight (8) inputs
- Fire Alarm disconnect input options:
 - A) Normally open (NO) or normally closed (NC) dry contact input
 - B) Polarity reversal input from FACP signaling circuit
- Alarm output relay indicates that FACP input is triggered (form "C" contact rated @ 1 amp 28 VDC not evaluated by UL)

- Green LED indicates when FACP disconnect is triggered
- Built-in charger for sealed lead acid or gel type batteries
- AL400ULXB (Power Supply Board) maximum charge current .7 amp
- Automatic switch over to stand-by battery when AC fails
- AC input and DC output LED indicators
- Zero voltage drop when unit switches over to battery backup (AC failure condition)
- Short circuit and thermal overload protection
- AC fail supervision (form "C" contact)
- Battery fail and battery presence supervision (form "C" contact)
- Enclosure accommodates up to two (2) 12 AH batteries

Enclosure Dimensions

15.5"H x 12"W x 4.5"D



NOTICE: The information contained in this document is intended only as a summary and is subject to change without notice. The devices described in this document have specific instruction sheets which cover various technical, limitation and liability information. Copies of these instruction sheets and the General Product Warning and Limitations Document, which also contains important information are provided with the product and are available from Harrington Signal Inc. Fire Alarm. Information contained in these documents should be consulted before specifying or using the product. For further information or assistance concerning particular problems contact Harrington Signal Inc. Harrington Signal Inc. Fire Alarm reserves the right to change specifications without notice. Quality manufactured by Altronix for Harrington Signal Inc.