

ACMCB Series

Power Supply/Chargers with Multi-Output Access Power Controllers

Altronix ACMCB series distribute and switch power to access control systems and accessories. They convert a 115VAC, 60Hz input into eight (8) independently controlled 12VDC or 24VDC Class 2 Rated power-limited PTC protected outputs. 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. Units will route power to a variety of access control hardware devices including: Mag Locks, Electric Strikes, Magnetic Door Holders, etc. Outputs will operate in both Fail-Safe and/or Fail-Secure modes. 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.



AL600ULACMCB

Key Features

- Eight (8) independently controlled Fail-Safe and/or Fail-Secure power outputs
- Class 2 Rated power-limited PTC Protected Outputs (auto-resettable)
- Eight (8) auxiliary power outputs (unswitched)
- Output PTCs are rated @ 2.5A
- Filtered and electronically regulated outputs
- Supervision:
 - AC Fail
 - Battery Fail and Battery Presence
- Fire Alarm disconnect (latching or non-latching) is individually selectable for any or all of the eight (8) outputs
- Alarm output relay indicates that FACP input is triggered
- Fire Alarm disconnect input options:
 - a) Normally open (NO) or normally closed (NC) dry contact input
 - b) Polarity reversal input from FACP signaling circuit
- Built-in charger for sealed lead acid or gel type batteries
- Instantaneous transfer to stand-by batteries
- UL Listed in the U.S. and Canada
- Lifetime Warranty

ACMCB Series Power Supply Configuration Reference Chart

Altronix Model Number	115VAC 60Hz Input Current Draw	12VDC Total Output Current	24VDC Total Output Current	Class 2 Rated PTC Protected Outputs (auto-resettable)	Individual Output Rating	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Batteries Accommodated by Enclosure	
AL400ULACMCB	3.5A	4A	3A	8	2.5A	5A/250V	15A/32V	Up to two (2) 12AH / 12VDC	
AL400ULACMCBJ								Up to two (2) 18AH / 12VDC	
AL600ULACMCB	3.5A	6A	6A				-	15A/32V	Up to two (2) 12AH / 12VDC
AL600ULACMCBJ									Up to two (2) 18AH / 12VDC
AL1012ULACMCB	2.6A	10A	-			6.3A/250V	15A/32V	Up to two (2) 12AH / 12VDC	
AL1012ULACMCBJ								Up to two (2) 18AH / 12VDC	
AL1024ULACMCB	4.2A	-	10A			6.3A/250V	15A/32V	Up to two (2) 12AH / 12VDC	
AL1024ULACMCBJ								Up to two (2) 18AH / 12VDC	

Lifetime Warranty



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Specifications

Input

Voltage 115VAC, 60Hz
Input Fuse Varies, see Reference Chart

Outputs

Class 2 Rated power-limited PTC Protected Outputs (auto-resettable)
Voltage 12VDC or 24VDC, see Reference Chart
Current Varies, depending on the model
Protection PTC 2.5A
Auxiliary 3.5A (unswitched)
Other Overvoltage protection
Filtered and regulated outputs

Battery Charging

Capacity 12AH/12VDC (1 or 2 within enclosure)
18AH/12VDC (requires larger "J" enclosure)
40AH/65AH (requires separate enclosure)
Type Sealed lead acid or gel type
Fuse Rating 15A/32V
AL600ULACMCB(J) doesn't have battery fuse
Failover Upon AC loss, instantaneous
Batteries are sold separately

Fire Alarm Disconnect

Latching or non-latching, individually selectable for any or all of the eight (8) outputs

Supervision

AC Failure Form "C" contacts (rated 1A @ 28VDC)
Battery Form "C" contacts (rated 1A @ 28VDC)

Indicators (LED)

Input 115VAC is present
DC Output Powered
Battery Discharged or not connected
Relays Individual LEDs indicate outputs are triggered (relays energized)
FACP Indicates FACP disconnect is triggered

Agency Listings

All Models:

UL: UL294 Access Control System Units

cUL: CSA C22.2 No.205 Signal Equipment

AL400ULACMCB(J), AL600ULACMCB(J) only:
CSFM California State Fire Marshall Approved

Physical and Environmental

Enclosure Dimensions (H x W x D)

AL400ULACMCB, AL600ULACMCB, AL1012ULACMCB, and AL1024ULACMCB:

Enclosure: 15.5" x 12" x 4.5" (393.7mm x 304.8mm x 114.3mm)

Shipping: 16.5" x 13.5" x 6" (419.1mm x 342.9mm x 152.5mm)

AL400ULACMCBJ, AL600ULACMCBJ, AL1012ULACMCBJ, and AL1024ULACMCBJ:

Enclosure: 18" x 14.5" x 4.625" (457.2mm x 368.3mm x 117.48mm)

Shipping: 21.75" x 18.25" x 5.75" (552.5mm x 463.6mm x 146.1mm)

Weight (approx.)

Model	Product Weight	Shipping Weight
AL400ULACMCB	10.7 lb. (4.85 kg)	12 lb. (5.44 kg)
AL400ULACMCBJ	14 lb. (6.35 kg)	15 lb. (6.8 kg)
AL600ULACMCB	10.3 lb. (4.67 kg)	11.6 lb. (5.26 kg)
AL600ULACMCBJ	14.85 lb. (6.74 kg)	17.1 lb. (7.76 kg)
AL1012ULACMCB	10.7 lb. (4.85 kg)	12 lb. (5.44 kg)
AL1012ULACMCBJ	14.1 lb. (6.40 kg)	15 lb. (6.80 kg)
AL1024ULACMCB	11.75 lb. (5.33 kg)	13.05 lb. (5.92 kg)
AL1024ULACMCBJ	14.9 lb. (6.76 kg)	16.1 lb. (7.3 kg)

Temperature

Operating: 0°C to 49°C (32°F to 120°F)
Storage: -20°C to 70°C (-4°F to 158°F)

Relative Humidity 85% +/- 5%

BTU/Hr. (approx.)

Model	12VDC BTU/Hr.	24VDC BTU/Hr.
AL400ULACMCB(J)	25	37
AL600ULACMCB(J)	37	74
AL1012ULACMCB(J)	61	N/A
AL1024ULACMCB(J)	N/A	123

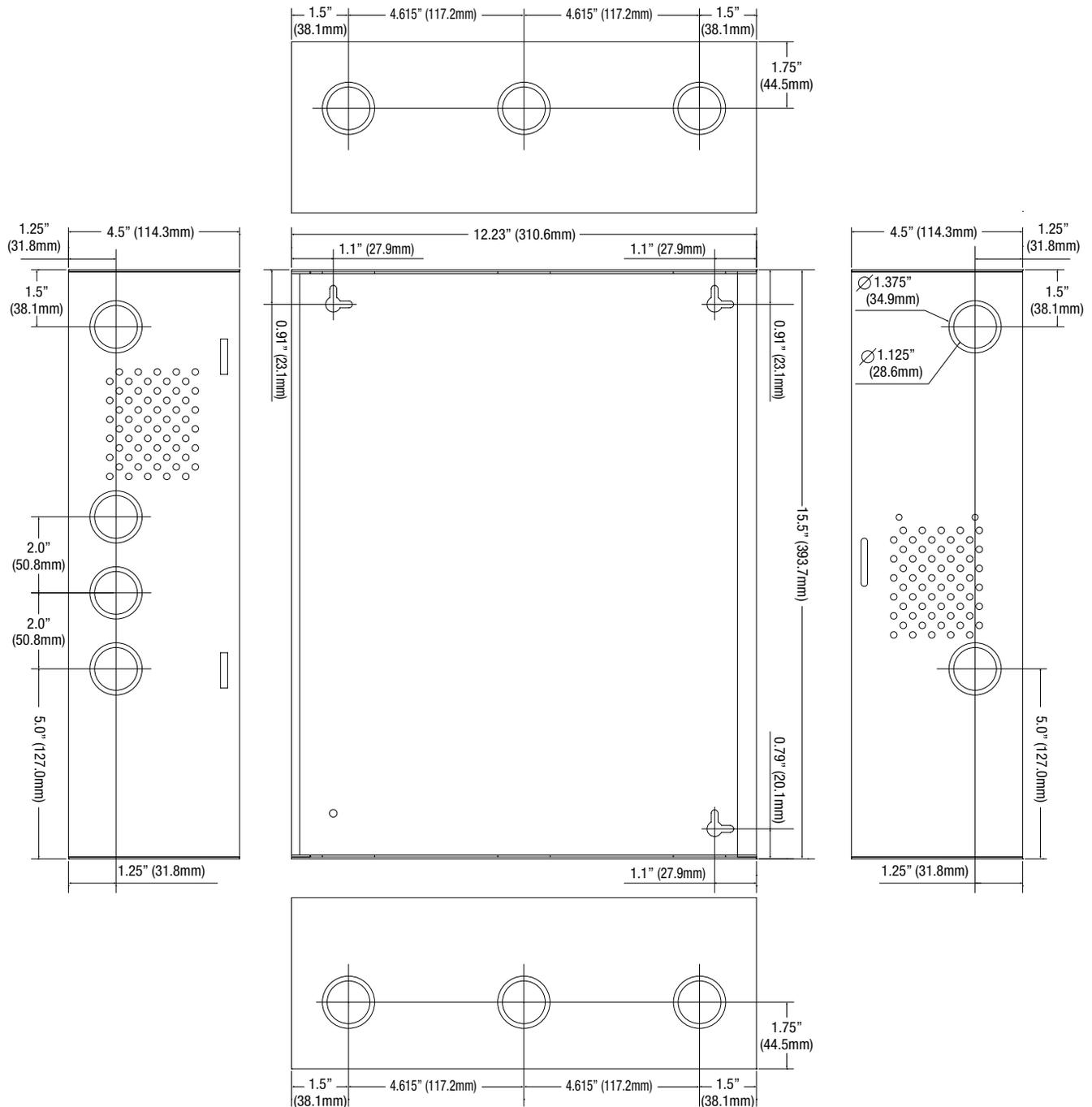
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Dimensions and Drawing

AL400ULACMCB, AL600ULACMCB, AL1012ULACMCB, AL1024ULACMCB Dimensions (H x W x D approximate)
15.5" x 12" x 4.5" (393.7mm x 304.8mm x 114.3mm)



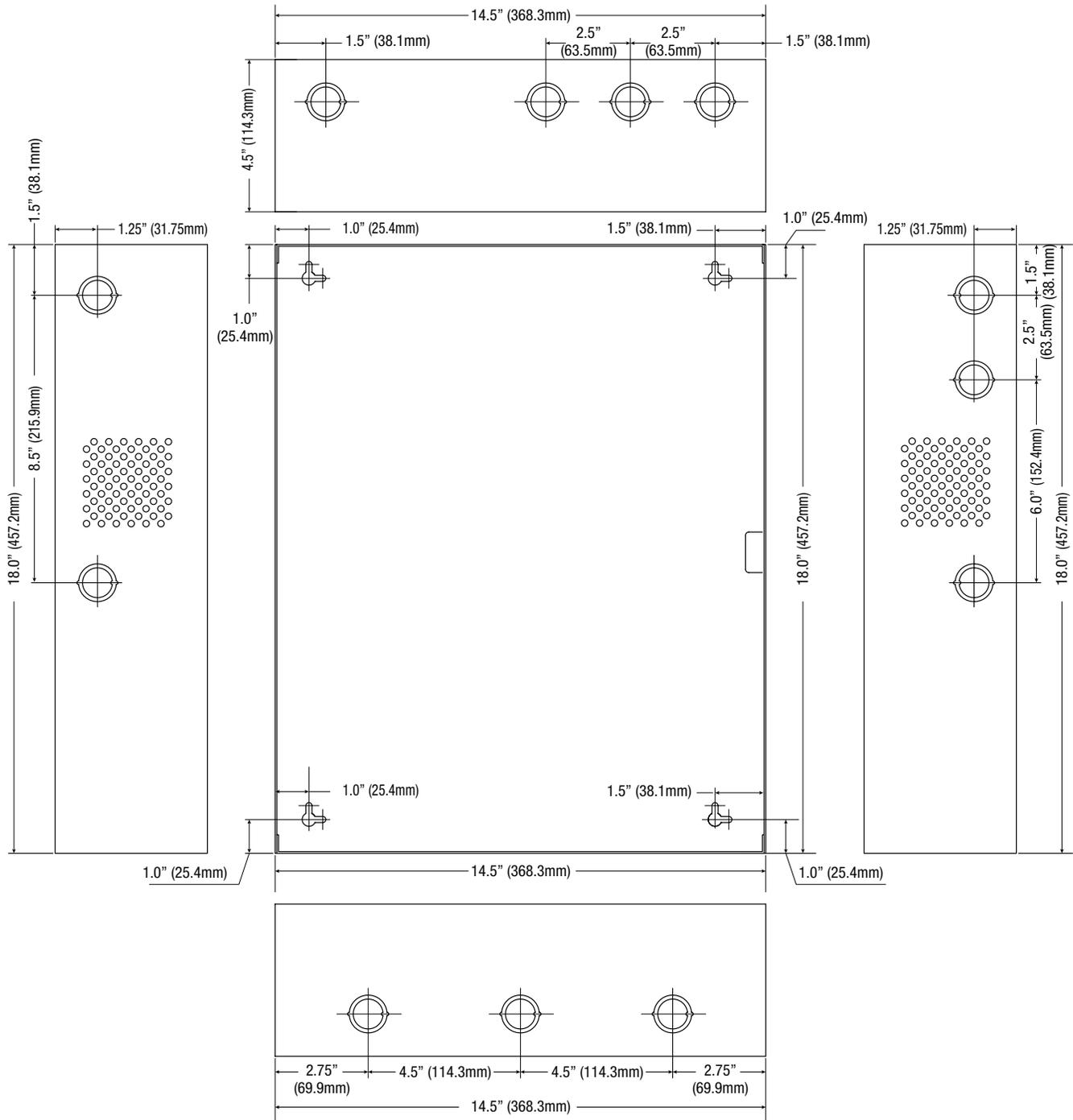
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