

ACM Series

Power Supply/Chargers with Multi-Output Access Power Controllers

Altronix ACM 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 fuse protected outputs. These power outputs can be converted to dry form "C" contacts. 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.



AL600ULACM

Key Features

- Eight (8) independently controlled outputs
 - Output options:
 - a) Eight (8) Fail-Safe and/or Fail-Secure power outputs;
 - b) Eight (8) form "C" 5A rated relay outputs;
 - c) Any combination of the above
- Eight (8) auxiliary power outputs (unswitched)
- Output fuses are rated @ 3.5A
- 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

ACM 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 Power- Limited Outputs	Fused Outputs	Individual Output Rating	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Batteries Accommodated by Enclosure
AL400ULACM	3.5A	4A	3A	✓	8	2.5A	5A/ 250V	15A/ 32V	Up to two (2) 12AH / 12VDC
AL400ULACMJ									Up to two (2) 18AH / 12VDC
AL600ULACM	3.5A	6A	6A	—				—	Up to two (2) 12AH / 12VDC
AL600ULACMJ									Up to two (2) 18AH / 12VDC
AL1012ULACM	2.6A	10A	—				15A/ 32V	Up to two (2) 12AH / 12VDC	
AL1012ULACMJ								Up to two (2) 18AH / 12VDC	
AL1024ULACM	4.2A	—	10A	6.3A/ 250V				Up to two (2) 12AH / 12VDC	
AL1024ULACMJ								Up to two (2) 18AH / 12VDC	

Lifetime Warranty

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ACM Series

Power Supply/Chargers with Multi-Output Access Power Controllers

Specifications

Input

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

Outputs

Voltage	12VDC or 24VDC, see Reference Chart
Current	Varies, depending on the model
Protection	Fused 3.5A
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 AL600ULACM(J) doesn't have a 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

AL400ULACM(J), AL600ULACM(J) only:

CSFM California State Fire Marshall Approved

Physical and Environmental

Enclosure Dimensions (H x W x D)

AL400ULACM, AL600ULACM, AL1012ULACM, AL1024ULACM:

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)

AL400ULACMJ, AL600ULACMJ, AL1012ULACMJ, and AL1024ULACMJ:

Enclosure:

18" x 14.5" x 4.625" (457.2mm x 368.3mm x 117.5mm)

Shipping:

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

Weight (approx.)

Model	Product Weight	Shipping Weight
AL400ULACM	10.7 lb. (4.85 kg)	12 lb. (5.44 kg)
AL400ULACMJ	14 lb. (6.35 kg)	15 lb. (6.8 kg)
AL600ULACM	10.3 lb. (4.67 kg)	11.6 lb. (5.26 kg)
AL600ULACMJ	14.85 lb. (6.74 kg)	17.1 lb. (7.76 kg)
AL1012ULACM	10.7 lb. (4.85 kg)	12 lb. (5.44 kg)
AL1012ULACMJ	14.1 lb. (6.40 kg)	15 lb. (6.80 kg)
AL1024ULACM	11.75 lb. (5.33 kg)	13.05 lb. (5.92 kg)
AL1024ULACMJ	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.
AL400ULACM(J)	25	37
AL600ULACM(J)	37	74
AL1012ULACM(J)	61	N/A
AL1024ULACM(J)	N/A	123

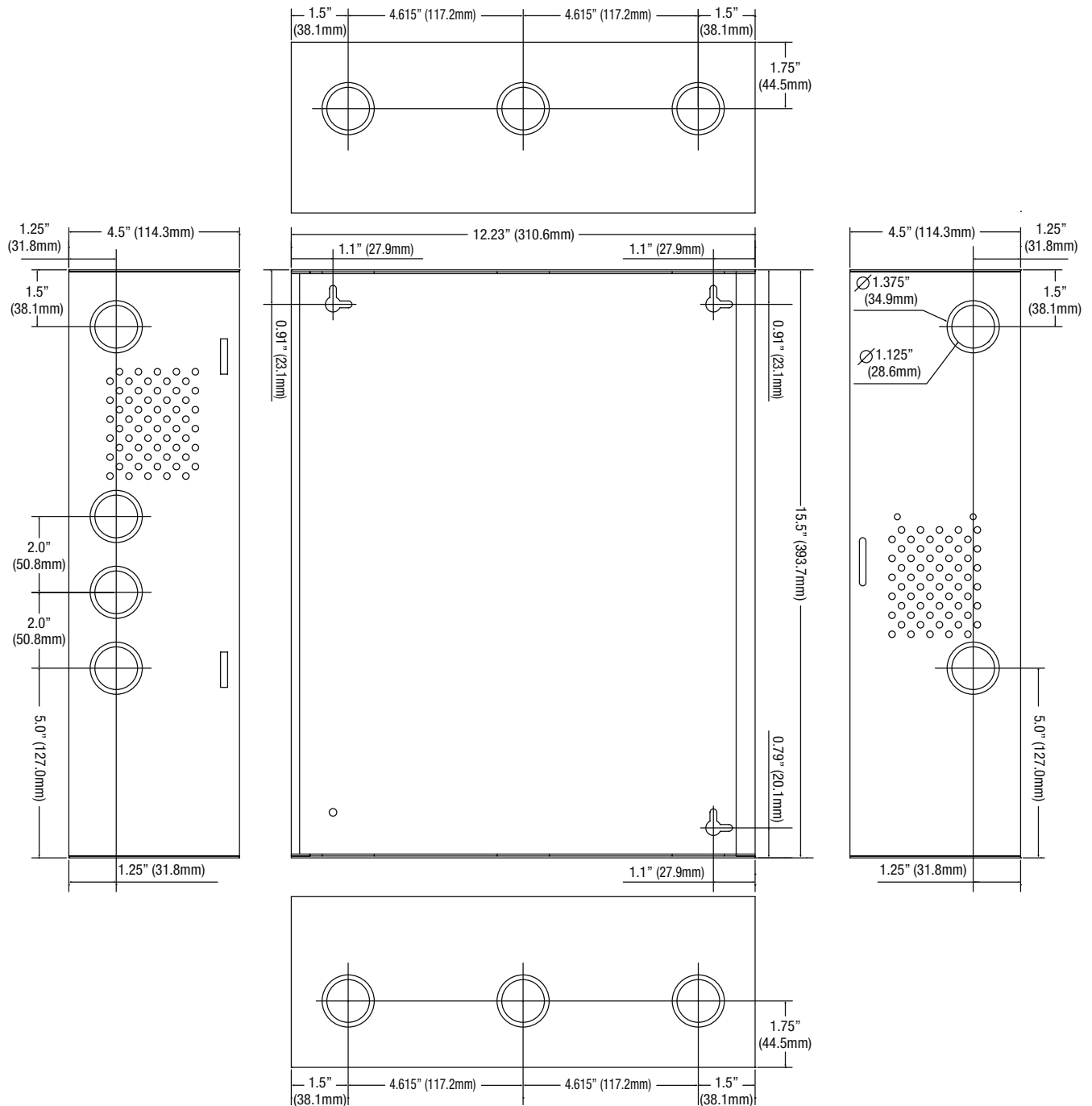
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Dimensions and Drawing

AL400ULACM, AL600ULACM, AL1012ULACM, AL1024ULACM 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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Dimensions and Drawing

Technical drawing of a rectangular panel with dimensions in inches and millimeters. The panel is 18.0 inches (457.2mm) high and 14.5 inches (368.3mm) wide. It features a central 6.0 inch (152.4mm) square area with a grid of small circles. Four circular mounting holes are located at the corners, each with a 1.5 inch (38.1mm) diameter. The drawing includes detailed dimensions for the mounting holes, the central grid area, and the overall panel size.

Dimensions (inches / millimeters):

- Overall width: 14.5" (368.3mm)
- Overall height: 18.0" (457.2mm)
- Top mounting holes: 1.5" (38.1mm) from left and right edges; 4.5" (114.3mm) from top edge.
- Bottom mounting holes: 1.5" (38.1mm) from left and right edges; 1.0" (25.4mm) from bottom edge.
- Central grid area: 6.0" (152.4mm) square, centered.
- Side panel width: 1.25" (31.75mm)
- Side panel height: 18.0" (457.2mm)
- Side panel mounting holes: 1.5" (38.1mm) from top and bottom edges; 1.25" (31.75mm) from side edges.
- Bottom panel width: 14.5" (368.3mm)
- Bottom panel mounting holes: 2.75" (69.9mm) from left and right edges; 4.5" (114.3mm) from center.

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