Altronix®

IML SECURITY SUPPLY

Rev. 12132021

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				–	Up to two (2) 12AH / 12VDC
AL600ULACMCBJ								Up to two (2) 18AH / 12VDC
AL1012ULACMCB	2.6A	10A	–				15A/32V	Up to two (2) 12AH / 12VDC
AL1012ULACMCBJ								Up to two (2) 18AH / 12VDC
AL1024ULACMCB	4.2A	–	10A			6.3A/250V		Up to two (2) 12AH / 12VDC
AL1024ULACMCBJ								Up to two (2) 18AH / 12VDC

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ACMCB Series

Power Supply/Chargers with Multi-Output Access Power Controllers

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.

Back-up Battery *(not included)*

Capacity	12AH / 12VDC (1 or 2 within enclosure). 18AH / 12VDC (requires larger "J" enclosure). 40 AH / 65 AH (requires separate enclosure).
Type	Sealed lead acid or gel type.
Fuse Rating	15A @ 32VDC AL600ULACMCB(J) does not have a battery fuse.
Failover	Upon AC loss, instantaneous.

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

AL400ULACMCBJ, AL600ULACMCBJ, AL1012ULACMCBJ, and AL1024ULACMCBJ:
18" x 14.5" x 4.625" (457.2mm x 368.3mm x 117.48mm).

Product Weight / Shipping (approx.)

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

Temperature

Operating	0ºC to 49ºC (32ºF to 120ºF).
Storage	-20ºC to 70ºC (-4ºF to 158ºF).
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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