Altronix®

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	3.5A	4A	3A	8	2.5A	5A/ 250V	15A/ 32V	Up to two (2) 18AH / 12VDC
AL600ULACMCB	3.5A	6A	6A	8	2.5A	5A/ 250V	–	Up to two (2) 12AH / 12VDC
AL600ULACMCBJ	3.5A	6A	6A	8	2.5A	5A/ 250V	–	Up to two (2) 18AH / 12VDC
AL1012ULACMCB	2.6A	10A	–	8	2.5A	5A/ 250V	15A/ 32V	Up to two (2) 12AH / 12VDC
AL1012ULACMCBJ	2.6A	10A	–	8	2.5A	5A/ 250V	15A/ 32V	Up to two (2) 18AH / 12VDC
AL1024ULACMCB	4.2A	–	10A	8	2.5A	6.3A/ 250V	15A/ 32V	Up to two (2) 12AH / 12VDC
AL1024ULACMCBJ	4.2A	–	10A	8	2.5A	6.3A/ 250V	15A/ 32V	Up to two (2) 18AH / 12VDC

Altronix®

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) 40AH/65AH (requires separate enclosure)
Type	Sealed lead acid or gel type
Fuse Rating	15A @ 32VDC AL600ULACMCB(J) doesn't have 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:
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:	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