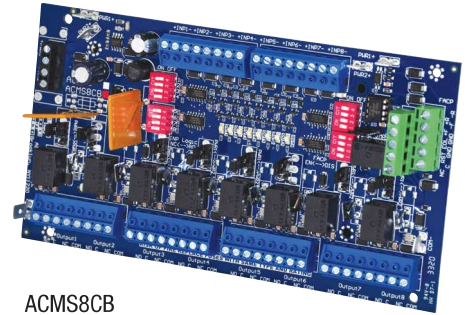# Altronix®

ACMS8 and ACMS8CB

Multi-Output Access Power Controllers

Altronix ACMS8/ACMS8CB are UL listed sub-assemblies designed to be used in Altronix wall and rack mount enclosures. Input power to ACMS8/ACMS8CB is to be derived from eFlow series power supplies. Dual input design allows power to be steered from two (2) independent low voltage 5 to 24 VDC power sources into eight (8) independently controlled fuse or PTC protected outputs. In ACMS8, these power outputs can also be converted to dry form "C" contacts. Outputs are activated by an open collector sink, normally open (NO) or normally closed (NC) dry trigger input from an Access Control System, Card Reader, Keypad, Push Button, PIR, etc. ACMS8/ACMS8CB 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. The spade connectors allow you to daisy chain power to multiple ACMS8/ACMS8CB modules. This feature allows you to distribute the power over more outputs for larger systems.

ACMS8CB

Specifications

Input

Two (2) independent low voltage inputs.

Input1: 12 or 24VDC from eFlow series Altronix Power supply

Input 2: 12 or 24 VDC from eFlow series Altronix power supply or either 5 or 12 VDC from VR6 Regulator

Current:

ACMS8:	20A total input
Main Fuse Rating	15/32A
ACMS8CB:	16A total input
Main PTC Rating	9A
Current Consumption:	0.6A @ 12V, 0.3A @ 24V with all relays energized

Trigger Inputs:

Eight (8) individually controlled trigger inputs:
a) Normally open (NO) inputs
b) Normally closed (NC) inputs
c) Open collector sink inputs
d) Wet Input (5VDC - 24VDC) with 10K resistor
e) Any combination of the above

Outputs

ACMS8:	Fuse protected outputs rated @ 2.5A per output, non power-limited. Total output 20A max.
ACMS8CB:	PTC protected outputs rated @ 2A per output, Class 2 power-limited. Total output 16A max.

Do not exceed the individual power supply ratings

Eight (8) selectable 5VDC - 24VDC independently controlled outputs or eight (8) indepently controlled Form "C" relay outputs:
a) Fail-Safe and/or Fail-Secure power outputs
b) Form "C" Relays. 28VAC or VDC @ 2.5A Rated
c) Auxiliary power outputs (unswitched)
d) Any combination of the above

Any of the eight (8) fuse protected power outputs are selectable to follow power Input 1 or Input 2
Individual outputs may be set to OFF position for servicing

Output Ratings:

ACMS8:	Fuses are rated 3A/32V each
ACMS8CB:	PTCs are rated 2A each

Total output current is determined by the power supply(ies), not to exceed a maximum of 10A for each input

Fire Alarm Disconnect

Supervised	Latching or non-latching, individually selectable for any or all of the eight (8) outputs
EOL	10K Resistor

Indicators (LED)

Red LEDs	Outputs are triggered (relays energized).
Blue LED	FACP disconnect is triggered

Individual voltage LEDs
Green:	12VDC
Red:	24VDC

Agency Listings

UL/cUL:
UL 294 7th Edition:	Access Control System Units
ULC-S319:	Electronic Access Control Systems

Physical and Environmental

Dimensions (W x L x H)
Board: 7.65" x 4.125" x 1.25" (194.3mm x 104.8mm x 31.8mm)
Shipping: 10" x 8" x 4" (254mm x 203.2mm x 101.68mm)

Weight (approx.)
Product Weight:	0.7 lb. (0.32 kg)
Shipping Weight :	0.95 lb. (0.43 kg)

Temperature
Operating:	0ºC to 49ºC (32ºF to 120ºF)
Storage:	− 20ºC to 70ºC (− 4ºF to 158ºF)

Relative Humidity	93% +/− 5%
BTU/Hr. (approx.):	4 BTU/Hr.

Mounting hardware included
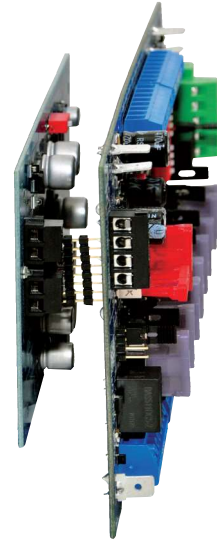
ACMS8K1 and ACMS8CBK1

Altronix offers ACMS8(CB) kits which include a multi-output Access Power Controller and VR6 - Voltage Regulator, along with all necessary hardware.

Altronix VR6 & ACMS8 easily snap together to provide 12VDC and 24VDC simultaneously — individually selectable over each of the 8 outputs... all on one footprint!
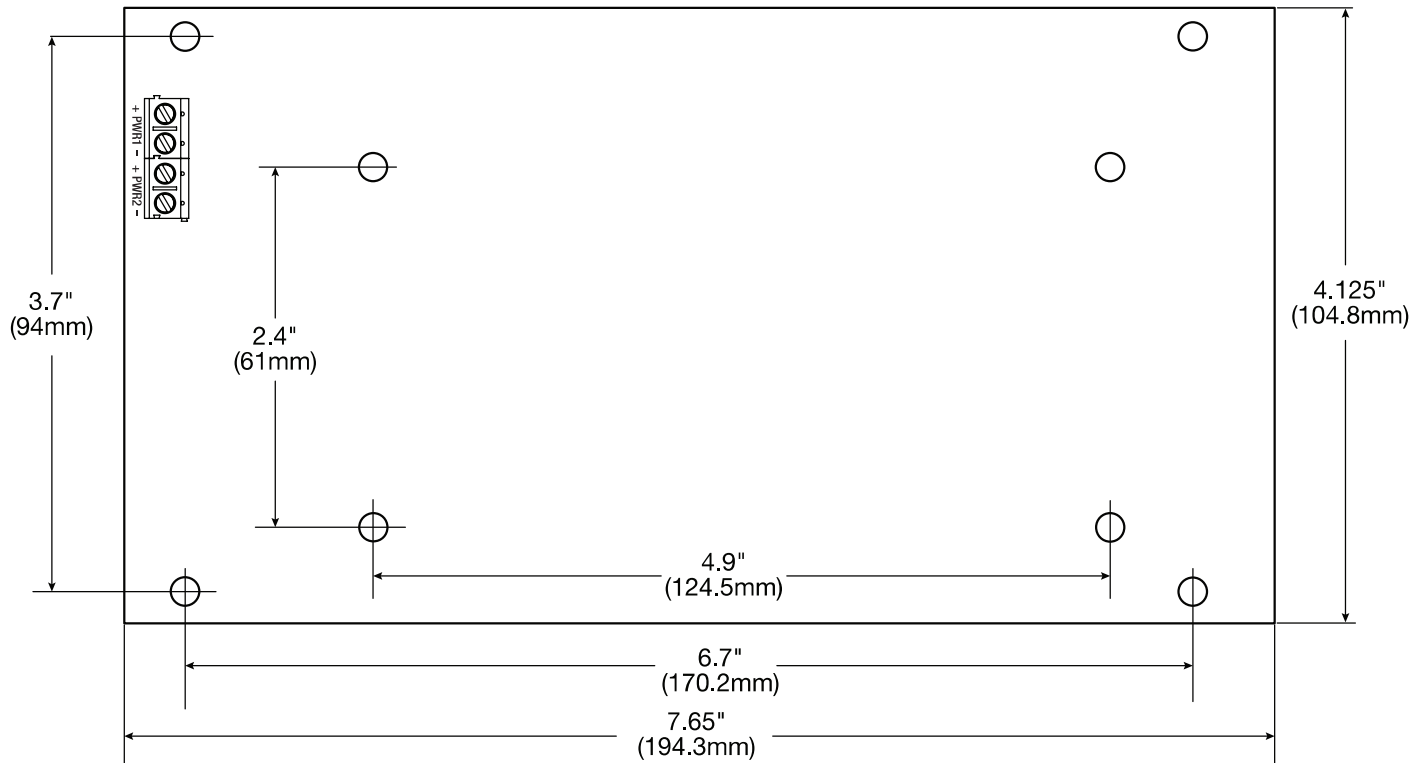
- VR6 reduces the cost of adding another power supply.
- ACMS8 is designed to piggyback onto the VR6, making an instant plug-in connection via common standoffs.
- Stackable mounting configuration saves valuable enclosure space.

Board Dimensions (L x W x H) and Drawing

7.65" x 4.125" x 1.25" (194.3mm x 104.8mm x 31.8mm)
Mounting Holes' Tolerance: +/- 0.04 in. (1mm).