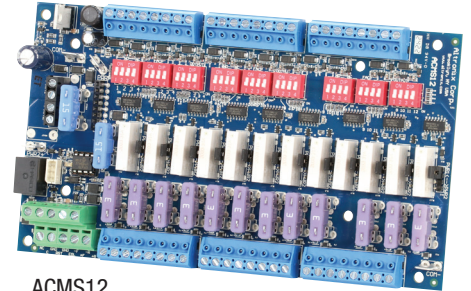


ACMS12 and ACMS12CB

Multi-Output Access Power Controllers

Altronix ACMS12/ACMS12CB are sub-assemblies designed to be used in Altronix wall and rack mount enclosures. Dual input design allows power to be steered from two (2) independent low voltage 5 to 24VDC power sources into twelve (12) independently controlled fuse or PTC protected outputs. Outputs are activated by an open collector sink, normally open (NO), normally closed (NC) dry trigger input, or wet output from an Access Control System, Card Reader, Keypad, Push Button, PIR, etc. ACMS12/ACMS12CB will route power to a variety of access control hardware devices including Mag Locks, Electric Strikes, Magnetic Door Holders, etc. Outputs will operate in Fail-Safe 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 twelve (12) outputs. The spade connectors allow you to daisy chain power to multiple ACMS12/ACMS12CB modules. This feature allows you to distribute the power over more outputs for larger systems.



ACMS12

Specifications

Input

Two (2) independent low voltage inputs.

Input 1: 12 or 24VDC Altronix Power supply

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

Voltage Range

ACMS12: 20A total input

Main Fuse Rating 15/32A

ACMS12CB: 16A total input

Main PTC Rating 9A

Current Consumption: 0.6A @ 12V, 0.3A @ 24V
with all relays energized

Trigger Inputs:

Twelve (12) individually controlled trigger inputs:

- Normally open (NO) inputs
- Normally closed (NC) inputs
- Open collector sink inputs
- Wet Input (5VDC - 24VDC) with 10K resistor
- Any combination of the above

Outputs

ACMS12: Fuse protected outputs rated @ 2.5A per output, non power-limited. Total output 20A max.

ACMS12CB: PTC protected outputs rated @ 2A per output, Class 2 power-limited. Total output 16A max.

Do not exceed the individual power supply ratings

Twelve (12) selectable independently controlled outputs or twelve (12) indepently controlled Fail-Safe or Fail-Secure power outputs.

Any of the twelve (12) 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:

ACMS12: Fuses are rated 3A/32V each

ACMS12CB: 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 twelve (12) outputs

EOL 10K Resistor

Indicators (LED)

Blue LED FACP disconnect is triggered

Individual Voltage LEDs

Green: 12VDC

Red: 24VDC

Physical and Environmental

Dimensions (W x L x H)

Board: 7.3" x 4.1" x 1.25" (185.4mm x 104.1mm x 31.8mm)

Shipping: 10" x 8" x 4" (254mm x 203.2mm x 101.68mm)

Weight (approx.)

Product: 0.7 lb. (0.32 kg)

Shipping: 0.95 lb. (0.43 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: 93% +/- 5%

BTU/Hr. (approx.): 4 BTU/Hr.

Mounting hardware included

ACMS12 and ACMS12CB

Multi-Output Access Power Controllers

Board Dimensions (L x W x H) and Drawing

7.3" x 4.1" x 1.25" (185.4mm x 104.1mm x 31.8mm)

Mounting Holes' Tolerance: +/- 0.04 in. (1mm).

