

ACM4

Overview

ACM4 converts one (1) 12 to 24 volt AC or DC input into four (4) independently controlled 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. The ACM4 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. Units are designed to be powered by one common power source which will provide power for both the board operation and locking devices, or two (2) totally independent power sources, one (1) providing power for board operation and the other for lock / accessory power. 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 four (4) outputs.

Specifications

Input:

- 12 to 24 volt AC or DC operation (setting not required), 0.4 amp @ 12volt, 0.2 amp @ 24 volt current consumption with all relays energized.
- Power supply input options:
 - a) One (1) common power input (board and lock power).
 - b) Two (2) isolated power inputs (one (1) for board power and one (1) for lock/accessory power).
- Four (4) Access Control System trigger inputs:
 - a) Four (4) normally open (NO) inputs.
 - b) Four (4) open collector sink inputs.
 - c) Any combination of the above.

Output:

- Four (4) independently controlled outputs:
 - a) Four (4) Fail-Safe and/or Fail-Secure power outputs.
 - b) Four (4) dry form “C” 5 amp rated relay outputs
 - c) Any combination of the above
- Four (4) auxiliary power outputs (unswitched).
- Output ratings:
 - Fuses are rated 3 amp each.
 - Main fuse is rated at 10 amp.

Note: Total output current is determined by the power supply, not to exceed a maximum of 10 amp total.

Features:

- Fire Alarm disconnect (latching or non-latching) is individually selectable for any or all of the four (4) outputs.
- Fire Alarm disconnect input options:
 - a) Normally open (NO) or normally closed (NC) dry contact input.
 - b) Polarity reversal input from FACP signaling circuit.
- FACP output relay (form “C” contact rated @ 1 amp 28VDC not evaluated by UL).
- Removable terminal blocks facilitate ease of installation.

Visual Indicators:

- Red LEDs indicate outputs are triggered (relays energized).
- Green LED indicates FACP disconnect is triggered.

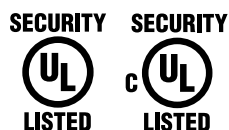
Electrical:

- Operating temperature: 0° C to 49° C ambient.
- BTU/Hr.:
 - 12VDC or 12VAC: 1.22 BTU/Hr.
 - 24VDC or 24VAC: 2.46 BTU/Hr.

Mechanical:

- Board Dimensions (L x W x H approx.): 5.175” x 3.36” x 1.25” (131.4mm x 85.3mm x 31.75mm)
- Product weight (approx.): 0.35 lbs. (0.16 kg).
- Shipping weight (approx.): 0.45 lbs. (0.2 kg).

Agency Approvals



UL Listed Sub-Assembly for Access Control System Units (UL 294) and “Signal Equipment” Evaluated to CSA Standard C22.2 No.205-M1983.

Board Dimensions (*L x W x H approximate*):
5.175" x 3.36" x 1.25" (131.4mm x 85.3mm x 31.75mm)

Mounting Diagram

