

Overview

- This unit distributes and switches power to access control systems and accessories. They convert a 115VAC 60Hz input into sixteen (16) independently controlled 12VDC or 24VDC fuse protected outputs. These Fail-Safe/Fail-Secure power outputs may be converted to dry form “C” contacts. The outputs are activated by an open collector sink or normally open (NO) dry trigger input from an Access Control System, Keypad, Push Button, REX PIR, etc. Units will route power to a variety of access control hardware devices including: Mag Locks, Electric Strikes, Magnetic Door Holders, etc. 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 sixteen (16) outputs.

Specifications:

- 12VDC or 24VDC @ 5.7 amp.
- 115VAC 60Hz, 1.9 amp input.
- Sixteen (16) independently trigger controlled outputs.
Output options:
 - a) Sixteen (16) Fail-Safe filtered and electronically regulated power outputs.
 - b) Sixteen (16) Fail-Secure filtered and electronically regulated power outputs.
 - c) Sixteen (16) form “C” relay outputs (rated @ 5 amp).
 - d) Any combination of the above.
- Sixteen (16) Access Control System trigger inputs.
Input trigger options:
 - a) Sixteen (16) normally open (NO) dry trigger inputs.
 - b) Sixteen (16) open collector inputs.
 - c) Any combination of the above.
- Sixteen (16) unswitched filtered and electronically regulated aux. power outputs (outputs are rated @ 2.5 amp).
- Red LEDs on ACM8 board indicate individual outputs are triggered (relays energized).
- Fire Alarm disconnect (latching or non-latching) is individually selectable for any or all of the sixteen (16) outputs.
Fire Alarm disconnect input trigger options:
 - a) Normally open (NO) or normally closed (NC) dry trigger input.
 - b) Polarity reversal input from FACP signaling circuit.
- Green LED on ACM8 board indicates FACP disconnect is triggered.
- Alarm output relay signals that FACP input is triggered (form “C” contact rated @ 1 amp /28VDC).
- Power supply input options:
 - a) Factory installed power supply provides common power for both ACM8 boards and all connected access control devices.
 - b) An optional external power supply may be connected to isolate the ACM8 boards from the access control devices.
- ACM8 board main fuses are rated @ 10 amp. Output fuses are rated @ 3.5 amp.
- Built-in charger for sealed lead acid or gel type batteries.
- Maximum charge current is .7 amp.
- Automatic switch over to stand-by battery when AC fails.
- Zero voltage drop when unit switches over to battery backup (AC failure condition).
- Short circuit and thermal overload protection with auto reset.
- Green AC input and red DC output LED indicators on power supply board(s).
- AC fail supervision (form "C" contact rated @ 1 amp/28VDC).
- Battery fail and battery presence supervision (form "C" contact rated @ 1 amp/28VDC).
- Enclosure accommodates up to four (4) 12VDC/12AH batteries.
- Product weight: 28.6 lbs.
- Shipping weight: 30.6 lbs.

Agency Approvals

UL Listed for Access Control System Units
(UL 294).



CUL Listed - CSA Standard C22.2
No.205-M1983, Signal Equipment.

Enclosure Dimensions

26"H x 19"W x 6.25"D

