

Aurora AAC-1009 Access Control Kit

12VDC POWERED ELEVATOR ACCESS CONTROL KIT

The provide elevator access control to a single elevator cab for up to 8 floors. Can be expanded to two cabs with up to 64 floors and up to 2 cabs (split into intervals of 8) with the addition of 7 x AAC-2304 expansion boards. Additional enclosure (AAC-2304) is required when adding more than 2 additional AAC-2503 expansion boards.

Functionally the credential holder will present their credential to a reader mounted in the elevator cab. The AAC-1009 will then activate/deactivate relays or inputs to enable access to specific elevator floors based on floor/users schedules via relay connection to elevator PLC/controller.

- ▶ Outputs
- ▶ Inputs
- ▶ Communications
- ▶ LCD Display
- ▶ 3-Years Warranty



SPECIFICATIONS

STANDARD FEATURES

Enclosure

Lockable and vented steel enclosure, 13.6" x 3" x 19.3".

Communication

- 1 X RJ-45 10/100 Mbps ethernet port, PoE standard, 100m max distance. Wire Spec 100m max distance, Cat5 or better.
- 1 X RS-485 used to communicate to IO expansion boards. Wire Spec 600m max distance,
- 2 Conductors stranded, twisted pair 22 AWG, shielded.

Power Supply

- 1 x 12-13.8VDC input IA-5.SA depending on attached devices/locks. Power requirements guide available. Generic 12VDC SA power supply available Power.
- 1 x battery backup terminal.12VDC 7AH recommended.

Inputs

- 8 X Digital input wire spec 152m Max Distance, 2 Conductors stranded 22 AWG, Shielded.
- 2 X Wiegand ports. Wire Spec 152m Max Distance, 6 Conductors stranded not twisted, 24 AWG, shielded.

Outputs

- 8 X solid state relays up to 30V @ 500mA (additionally relay options such as normally closed available upon request)
- 1 X 12V out up to 12V - 300mA. Wire Spec 152m Max Distance, 2 conductors stranded 18 AWG.
- 2 x Wiegand ports. Wire spec 152m (500') Max Distance, 6 conductors stranded not twisted, 24AWG, shielded.

Software

- Door controller is programmed and monitored from PN server software.
- Software can be hosted by Aurora controls, Security integrator or via local/ remote Windows PC/ Server.

Storage

Stores up to 100,000 cardholders. Stores up to 50,000 events. First in first out queue.

MISC

- Super capacitor maintains data and time up to 1 month without power. Photo-resistive tamper sensor.
- Piezo buzzer. Automatic DST switch.

Elevator

- Control access to 8 floors, expandable to 64 floors with the addition of 7 X AAC-2503 expansion boards and additional enclosure up to 2 cabs split in intervals of 8 floors.
- Button sensing (elevator buttons connected to inputs) or non-button sensing (relays only).

Certifications

UL 294/ ULC S319-05 listed, FCC