

Aurora AAC-1001 Access Control Kit

72VDC POWERED 2 DOOR KIT

The Panel Room/Retrofit Style is a compact, powerful and cost effective 2-8 door traditional style controller, designed to be easily scalable and make retrofits seamless. The AAC-1001 can control up to 2 doors and be expanded to 8 doors with the addition of 3 AAC-1003.

- ▶ DC Power
- ▶ Outputs
- ▶ Inputs
- ▶ Lock Power
- ▶ Battery Backup
- ▶ Communications
- ▶ LCD Display
- ▶ 3-Years Warranty



SPECIFICATIONS

STANDARD FEATURES

Enclosure

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

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.

Communication

- 1 X RJ-45 10/100 Mbps ethernet port, PoE standard (15.4W), 100m max distance. Wire Spec 100m max distance, Cat5 or better.
- 2 x RS485 used to communicate to AAC-1003 and/or Readers (use interconnect strips, included) Wire spec 600m Max Distance, 2 conductor stranded, twisted pair 22 AWG, shielded.

Inputs

- 6 X Fully configurable digital inputs. Supports supervised state with included 12 X 1k ohm resistors. Wire Spec 152m Max Distance, 2 Conductors stranded 22 AWG, shielded.
- 2 X Wiegand ports. Wire Spec 152m Max Distance, 2 Conductors stranded not twisted, 22 AWG, shielded.

Outputs

- 2 X Lock power up to 12V @ 500mA. Wire Spec 152m Max Distance, 2 Conductors stranded 18 AWG.
- 4X Solid state relays up to 24V @ 1A.
- 1 X 12V out up to 12V @ 300mA. Wire spec 152m Max Distance, 2conductors stranded 22AWG.

Certifications

UL 294/ ULC S319-05 listed, FCC

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.

ADVANCE FEATURES

ADA Opener Sequencing

- Supports sequencing a door opener with a strike release without external logic.
- Flexible activations options allow you to securely control when the opener is triggered.

Alarm

- Supports key-switch level alarm integration via Input/Output.
- Will deny entry when alarm is armed to standard users. Can arm/disarm from reader.

Mantrap / Interlock

Can connect to other controllers via Input/Output to create mantraps without external relays/logic.

Anti-pass back

Global and local APB. Configurable to be timer or reader based. Can be customized to ignore certain users and reset at a specific time.

Custom Scripts/ Actions

Input, Output and Reader events can trigger server side scripts to easily meet regulatory requirements or other special circumstances/functions.

Custom local Action Panel

Customizable panel actions can be configured to occur when a specific card is presented to the reader, any user on granted access and on inputs. Panel actions include relay overrides/toggle/pulse, door overrides, input override, buzzer and alarm functions.