

## Aurora AAC-1010 Access Control Controller

### 12VDC POWERED IO CONTROLLER KIT. CONTROLS 8 INPUTS/OUTPUT

The AAC-1010 is a powerful generic IO controller. This kit controls up to 8 relays and 8 inputs. Can be expanded to 64 inputs/outputs with the addition of 7 x IO Expansion boards. Additional enclosure required when adding more than 3 additional IO expansion boards.

Supports the concept of doors with no readers ( unmanaged door). Up to 16 unmanaged doors supported (including door contact, REX, Motion). Schedules and actions assignable to all inputs/outputs.

- ▶ DC Power
- ▶ Outputs
- ▶ Inputs
- ▶ Communications
- ▶ LCD Display
- ▶ Battery Backup
- ▶ 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 (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

### 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 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.

## Outputs

- 8 X Solid state relays up to 30V @ 500 mA. (additionally relay options such as normally closed available upon request)
- 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

- 10 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.

## Protection

- Short protection on all power outputs.
- Over voltage protection on solid state relays.
- Overcurrent protection on lock outputs.

## MISC

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

# ADVANCE FEATURES

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## Input Functions

Aux input, request to exit, door contact, motion sensor, monitored door contact. Configure time zone (schedule) detection time, holiday group, supervised, normally closed, associated door.

## Input Actions

In addition to function, supports up to two actions:

- Output activate, deactivate, toggle, pulse high, pulse low/high/opposite.
- Override unmanaged door unlock/lock/resume, auto resume.

## Output Functions

Door strike, secondary door strike, door unlocked or open, external buzzer, global buzzer, aux output.

## Custom Scripts/Actions

Input, output and door events can trigger server side scripts to easily met regulatory requirements or other special circumstances/functions such as Forced/Held open alerts.

## Unmanaged Door Options(16 Doors)

Use global buzzer, keep door unlocked when input active, unlock delay, unlock time, allowed held open time, REX timeout. Disable/enable:

forced open, forced open buzzer, stop forced open on door close, held open, held open buzzer, stop held open on door close, lock after door open, unlock by motion.