

# AL1042ADA220

## NAC Power Extender

Altronix AL1042ADA220 is an extremely cost effective voltage regulated remote NAC Power Extender. It may be connected to any 24 volt Fire Alarm Control Panel (FACP). Primary applications include Notification Appliance Circuit (NAC) expansion (supports ADA requirements) and providing auxiliary power to support system accessories.



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### Specifications

#### Input

**Voltage** 220VAC (working range 198VAC - 256VAC),  
50/60 Hz, 2.2A

Two (2) Class A, Style Z or two (2) Class B, Style W, X, Y FACP inputs

Two (2) NC dry contact trigger inputs

#### Output

**Voltage** 24VDC Class 2 Rated power-limited outputs

**Current** 10A max. total alarm current  
2.5A max. current per output

**Auxiliary** Two auxiliary outputs rated at 1A each  
(1A continuous, 1A AC disconnect)

**Other** Thermal and short circuit protection with  
auto reset  
Filtered and regulated outputs

#### Programmable Supervised Indicating Circuit Outputs:

Four (4) Class B, Style W, X, Y or Four (4) Class A, Style Z or

Two (2) Class A, Style Z and Two (2) Class B, Style W, X, Y

#### Back-up Battery *(not included)*

**Type** Sealed lead acid or gel type

**Failover** Upon AC loss, instantaneous

#### Supervision

**AC Failure** Form "C" contacts

**Battery** Form "C" contacts

#### Indicators (LED)

**AC Power (Green)** Input voltage is present

**DC Output (Red)** Powered

**Logic Board** Output status  
(Red and Green)

#### Agency Listings

**CE** European Conformity

#### Special Features

- 2-wire horn/strobe Sync mode allows audible notification appliances (horns) to be silenced while visual notification appliances (strobes) continue to operate.
- Sync protocols include Potter/Amseco, Faraday, Gentex®, System Sensor®, and CooperWheelock®.
- Temporal Code 3, Steady Mode, Input to Output Follower Mode (maintains synchronization of notification appliances circuit).
- Compatible with 12VDC or 24VDC fire panels.
- Output loop supervision steered to input 1 or input 2.
- Signal circuit trouble memory (helps identify intermittent loop problems).
- Common trouble input and output for external trouble signals tie-in.
- Ground fault detection.

#### Physical and Environmental

##### Dimensions (H x W x D)

Enclosure: 18" x 14.5" x 4.625" (457.2mm x 368.3mm x 117.5mm)

Shipping: 21.75" x 18.25" x 5.75" (552.5mm x 463.6mm x 146.1mm)

Enclosure accommodates up to two (2) 12VDC/18AH batteries

##### Weight (approx.)

**Product:** 14.8 lb. (6.71 kg)

**Shipping:** 19.15 lb. (8.69 kg)

##### Temperature

**Operating:** 0°C to 49°C (32°F to 120°F)

**Storage:** - 20°C to 70°C (- 4°F to 158°F)

**Relative Humidity** 85% +/- 5%

**BTU/Hr. (approx.):** 49 BTU/Hr.

#### Lifetime Warranty