Altronix®

Rev. 06222023

AL1002ADA220

NAC Power Extender

Altronix AL1002ADA220 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.



AL1002ADA220

Specifications

Input

Voltage	220VAC (operating range 198VAC - 256VAC), 50/60 Hz, 2.5A

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
Current	10A max. total alarm current 2.5A max. current per output
Auxiliary	1A
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 Two (2) Class A, Style Z or One (1) Class A, Style Z and Two (2) Class B, Style W, X, Y

Battery Charging

Type	Sealed lead acid or gel type
Failover	Upon AC loss, instantaneous

Batteries are sold separately

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 (Red and Green)	Output status

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: 115.5” x 12.23” x 4.5” (393.7mm x 310.6mm x 114.3mm)

Shipping: 16.5” x 13.5” x 6” (419.1mm x 342.9mm x 152.5mm)

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

Weight (approx.)

Product:	9.8 lb. (4.45 kg)
Shipping:	12.6 lb. (5.72 kg)

Temperature

Operating:	0ºC to 49ºC (32ºF to 120ºF)
Storage:	– 20ºC to 70ºC (– 4ºF to 158ºF)

Relative Humidity 20 to 85%, non-condensing

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

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NAC Power Extender

Dimensions and Drawing

Dimensions (H x W x D approximate)

15.5” x 12.23” x 4.5” (393.7mm x 310.6mm x 114.3mm)

