

AL842ADA220

NAC Power Extender

Altronix AL842ADA220 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, 2.5A
	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 Class 2 Rated power-limited outputs
Current	8A 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

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 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:	15.8 lb. (7.17 kg)
Shipping:	18.05 lb. (8.19 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%

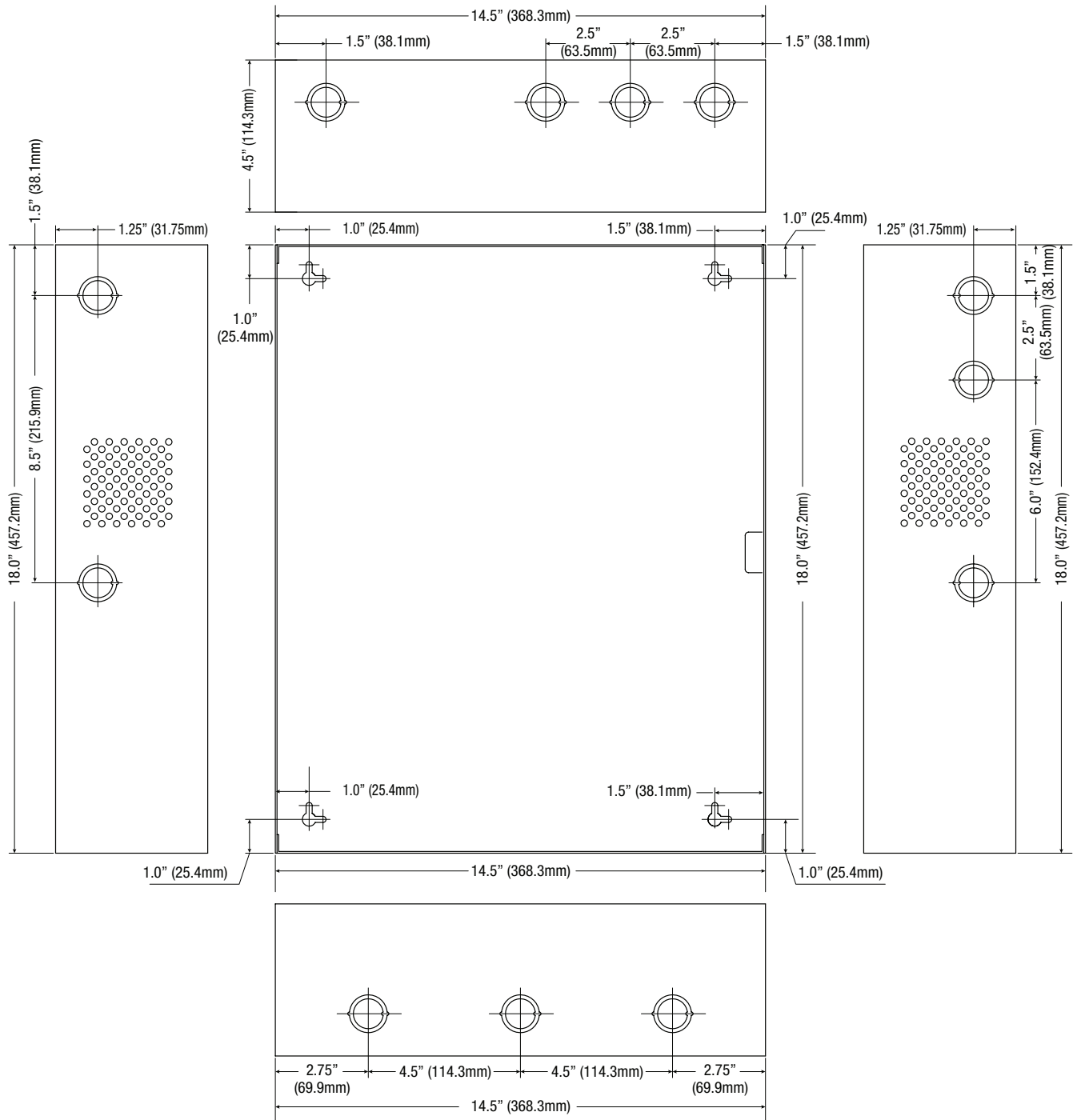
BTU/Hr. (approx.) 41.3 BTU/Hr.

Lifetime Warranty

Dimensions and Drawing

Dimensions (H x W x D approximate)

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



Lifetime Warranty