Altronix®

Rev. 07212022

AL642ULADA

NAC Power Extender

Altronix AL642ULADA 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	120VAC, 60Hz, 4A Two (2) Class A or two (2) Class B inputs Two (2) NC dry contact trigger inputs
Input Ratings (INP1 and INP2)**:**	8-30VDC 6.5mA max from FACP 12V 6.5mA, 24V 6.5mA from FACP

Output

Voltage	24VDC power-limited outputs
Current	6.5A 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, or Four (4) Class A, or Two (2) and Two (2) Class B

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

Agency Listings

UL	UL864 (Control Units and Accessories for Fire Systems)
MEA	NYC Department of Buildings Approved
FM	Factory Mutual Approved
CSFM	California State Fire Marshal Approved

Special Features

- 2-wire horn/strobe Sync mode allows audible notification appliances (horns) and visual notification appliances (strobes) to be silenced/deactivated at the same time.
- Sync protocols include Potter/Amseco, 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 4.5” (457.2mm x 368.3mm x 114.3mm)
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 Weight	15.8 lb. (7.17 kg)
Shipping Weight	18.05 lb. (8.19 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.)	31 BTU/Hr.

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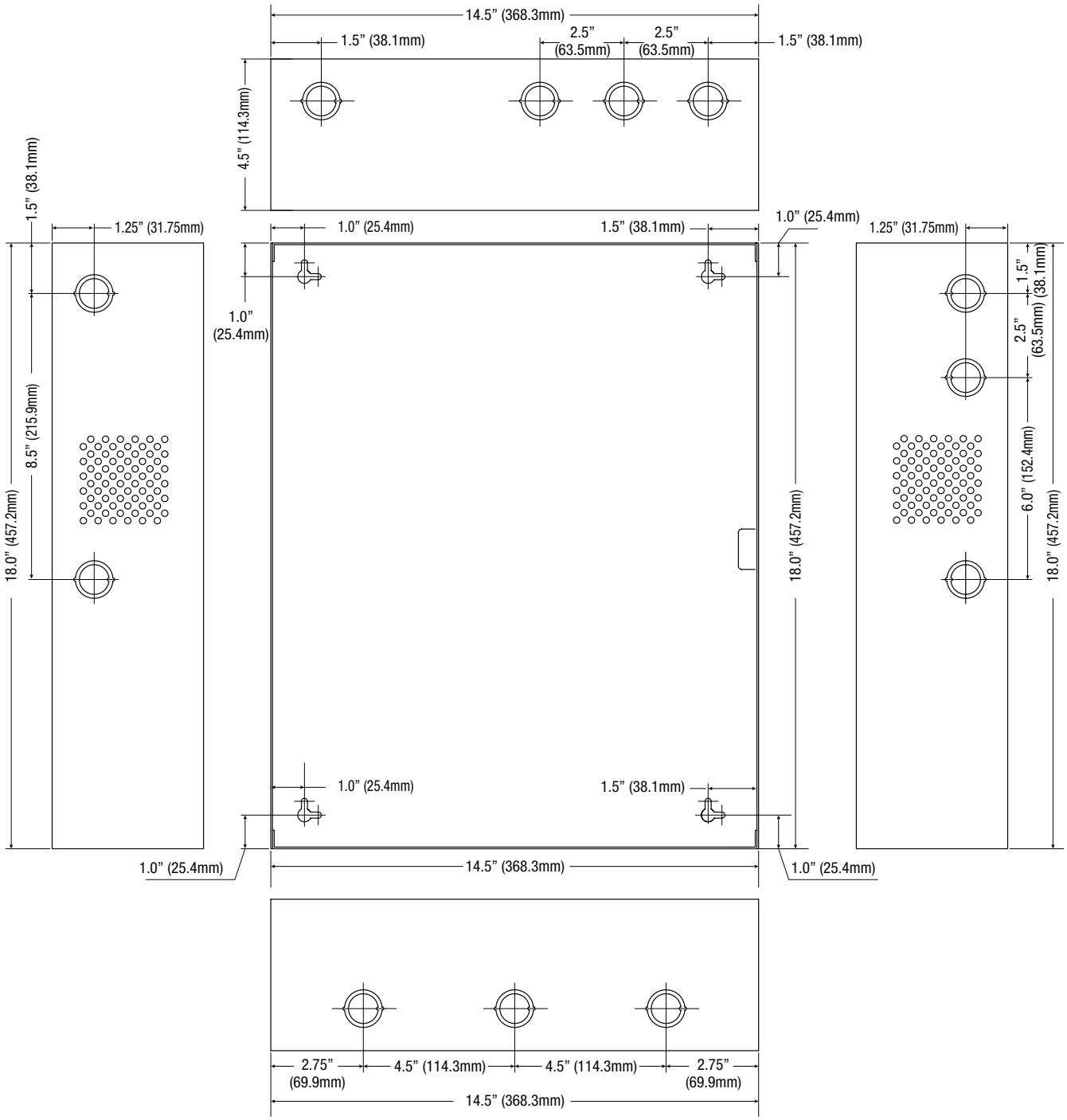
Dimensions and Drawing

Dimensions (H x W x D approximate)

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