

# 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.



AL642ULADA

### Specifications

#### Input

Voltage	120VAC, 60Hz, 4A Two (2) Class A or two (2) Class B inputs Two (2) NC dry contact trigger inputs
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#### 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
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#### 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 4.625" (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 Weight	15.8 lb. (7.17 kg)
Shipping Weight	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.) 31 BTU/Hr.

#### Lifetime Warranty

