Altronix®
AL842ULADA
NAC Power Extenders

Overview

AL842ULADA are extremely cost effective voltage regulated remote NAC Power Extenders. They 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

Agency Listings:
- UL Listed for Control Units for Fire Protective Signaling Systems (UL 864).
- MEA - NYC Department of Buildings Approved.
- CSFM - California State Fire Marshal Approved.
- FM - Factory Mutual Approved.
- NFPA 72 Compliant.

Input:
- Power input 120VAC / 60 Hz, 5 amp.
- Two (2) Class A, Style Z or two (2) Class B, Style W, Y FACP inputs.
- Two (2) NC dry contact trigger inputs.

Output:
- Class 2 Rated power limited outputs.
- 24VDC voltage regulated power limited outputs.
- 8 amp max total alarm current.
- 2.5A max current per output.
- Two auxiliary outputs rated at 1 amp each (1 amp continuous, 1 amp AC disconnect).
- Programmable supervised indicating circuit outputs: Four (4) Class B, Style W, Y or Four (4) Class A, Style Z or Two (2) Class A, Style Z and Two (2) Class B, Style W, Y *(see Application Guide)*.
- Thermal and short circuit protection with auto reset.

Battery Backup:
- Built-in charger for sealed lead acid or gel type batteries.
- Automatic switchover to stand-by battery when AC fails.
- Zero voltage drop when switching over to battery backup.

Supervision:
- AC fail supervision (form "C" contact, 1 amp / 28VDC). Factory set for 30 seconds with optional 2.5 to 3 hour delay setting (field selectable).

Supervision *(cont.)***:**
- Instant local AC trouble reporting relay (form "C" contact, 1 amp / 28VDC).
- Battery presence and low battery supervision (form "C" contact, 1 amp / 28VDC).

Visual Indicators:
- Input and output status LED indicators.

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 directed to input 1 or input 2.
- Signal Circuit Trouble Memory - facilitates quick identification of an intermittent/fault (short circuit, open or ground) which has previously occurred on one or more signaling circuit outputs. LEDs indicate/identify which output the fault has occurred.
- Common trouble input and output.
- Ground fault detection.
- Unit includes power supply, logic board enclosure, cam lock, and battery leads.
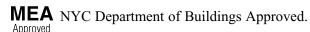
Mechanical:
- Enclosure Dimensions (H x W x D approx.): 18" x 14.5" x 4.5" (457.2mm x 368.3mm x 114.3mm)

Product weight (approx.): 16.9 lbs.
Shipping weight(approx.): 19.15 lbs.

Agency Approvals

UL Listed Control Units and Accessories for Fire Alarm Systems (UL 864),

California State Fire Marshal Approved.

MEA NYC Department of Buildings Approved.
Approved

FM APPROVED   Factory Mutual Approved.

Enclosure Dimensions *(H x W x D approximate)*:
18" x 14.5" x 4.5" (457.2mm x 368.3mm x 114.3mm)