

AL1002ULADAJ

NAC Power Extender

Description

AL1002ULADAJ 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, 5A.
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 10A max. total alarm current.
2.5A max. current per output.

Two (2) outputs may be paralleled for more power on an indicating circuit.

Auxiliary 1A.

Other Thermal and short circuit protection with auto reset.
Filtered and regulated outputs.

Programmable Supervised Indicating Circuit Outputs:

Four (4) Class B, or Two (2) Class A, or One (1) Class A and Two (2) Class B.

Back-up Battery (*not included*)

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

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 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)

18" x 14.5" x 4.625" (457.2mm x 368.3mm x 117.48mm).
Enclosure accommodates up to two (2) 12VDC/18AH batteries.

Product Weight 20.05 lb. (9.09 kg).

Shipping Weight 22.3 lb. (10.12 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.