AL802ADA220
NAC Power Extender

Description

AL802ADA220 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, 1.5A.

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.

Current 8A 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, Style W, X, Y, or Two (2) Class A, Style Z or One (1) Class A, Style Z and Two (2) Class B, Style W, X, Y.

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.

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 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)
15.5" x 12" x 4.5" (393.7mm x 304.8mm x 114.3mm).
Enclosure accommodates up to two (2) 12VDC/12AH batteries.

Product Weight 12 lbs. (5.44 kg).

Shipping Weight 13.3 lbs. (6.03 kg).

Temperature
Operating   0ºC to 49ºC (32ºF to 120ºF).
Storage   -20ºC to 70ºC (-4ºF to 158ºF).

Relative Humidity 85% +/-5%.

BTU/Hr. (approx.): 31 BTU/Hr.

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