

AL842ADA220 NAC Power Extender

Description

AL842ADA220 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.



AL842ADA220

Specifications

Input

Voltage 220VAC (working range 198VAC - 256VAC), 50/60 Hz, 2.5A.
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 Class 2 Rated power-limited outputs.
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 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, Style W, X, Y or Four (4) Class A, Style Z or
Two (2) 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 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 15.8 lbs. (7.17 kg).

Shipping Weight 18.05 lbs. (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.