

R1002ULADA

Rack Mountable NAC Power Extender

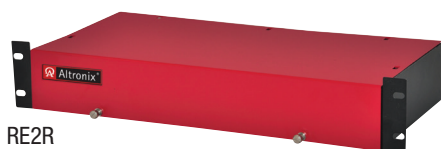
Altronix R1002ULADA is a space-saving 10A remote power supply/battery charger for fire signaling applications such as Notification Appliance Circuits expansion (strobes and horns) meeting ADA requirements. The rack mount drawer configuration is designed to be deployed where wall space is limited or may not be an option. R1002ULADA may be connected to any 12 or 24 volt Fire Alarm Control Panel (FACP). This unit delivers electronically regulated and filtered 24 volt power to Class B or Class A NAC loop circuits. The 10A max. alarm current can be divided between the four (4) outputs for powering NAC devices. All outputs may be programmed for Input to Output Follower Mode (output will follow input). In non-alarm condition independent loop supervision for Class A and/or Class B FACP NAC circuits is provided. Two (2) FACP signaling outputs can be employed and directed to control supervision and power delivery to any combination of the four (4) outputs.



Key Features

- Compatible with 12VDC or 24VDC fire panels.
- Programmable supervised indicating circuit outputs (Class A and Class B).
- Sync protocols include Potter/Amseco, Gentex[®], System Sensor[®], and CooperWheelock[®].
- Additional aux. output rated @ 1A.
- Temporal Code 3, Steady Mode, Input to Output Follower Mode.
- Signal circuit trouble memory
- Ground fault detection.
- Built-in charger for sealed lead acid or gel type batteries.
- Modular 2U standard EIA 19" rack mount chassis.

Accessories (order separately)



**RE2R -
Rack Mount Battery Enclosure**
accommodates up to four (4) 12VDC/7AH batteries

Lifetime Warranty



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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.

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).
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):

Modular 2U standard EIA 19" rack mount chassis.
3.25" x 19.0" x 26.5" (82.6mm x 482.6mm x 673.1mm).

Weights:

Product 20 lb. (9.07 kg).
Shipping 25 lb. (11.34 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.

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