

eFlowNAD Series

Power Supply/Chargers with Multi-Output Access Power Controllers



Altronix eFlowNAD series distribute and switch power to access control systems and accessories. They convert a 120VAC, 60Hz input into eight (8) independently controlled 12VDC or 24VDC Class 2 Rated power-limited PTC protected outputs. Outputs are activated by an open collector sink or normally open (NO) dry trigger input from an Access Control System, Card Reader, Keypad, Push Button, PIR, etc. Units will route power to a variety of access control hardware devices including: Mag Locks, Electric Strikes, Magnetic Door Holders, etc. Outputs will operate in both Fail-Safe and/or Fail-Secure modes. The FACP Interface enables Emergency Egress, Alarm Monitoring, or may be used to trigger other auxiliary devices. The fire alarm disconnect feature is individually selectable for any or all of the eight (8) outputs.



eFlow6NA8D

Key Features

- Eight (8) independently controlled Class 2 Rated power-limited PTC Protected auto-resettable outputs
- Output options:
 - a) Eight (8) Fail-Safe filtered power outputs
 - b) Eight (8) Fail-Secure filtered power outputs
 - c) Any combination of the above
- Eight (8) auxiliary power outputs (unswitched)
- Output PTCs are rated @ 2.5A
- Filtered and electronically regulated outputs
- Supervision:
 - AC Fail
 - Battery Fail and Battery Presence
 - Low power shutdown
- Fire Alarm disconnect (latching or non-latching) is individually selectable for any or all of the eight (8) outputs
- Alarm output relay indicates that FACP input is triggered
- Fire Alarm disconnect input options:
 - a) Normally open (NO) or normally closed (NC) dry contact input
 - b) Polarity reversal input from FACP signaling circuit
- Built-in charger for sealed lead acid or gel type batteries
- Instantaneous transfer to stand-by batteries
- UL Listed in the U.S. and Canada
- CE European Conformity
- Lifetime Warranty

eFlowNAD Series Power Supply Configuration Reference Chart

Altronix Model Number	120VAC 60 Hz Input Current (A)	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Maximum Supply Current for Main and Aux. Outputs (A)		Class 2 Rated PTC Protected Power-Limited Outputs (auto-resettable)	Current per ACM8CB output (A)	ACM8CB Board Input Fuse Rating	ACM8CB Board Output PTC Rating
				12VDC	24VDC				
eFlow4NA8D	3.5A	5A/250V	7.5A/32V	3.3A	3.6A	8	2.5A	10A/250V	2.5A
eFlow6NA8D	3.5A	5A/250V	10A/32V	5.3A	5.6A	8	2.5A	10A/250V	2.5A
eFlow102NA8D	3.5A	5A/250V	15A/32V	9.3A	—	8	2.5A	10A/250V	2.5A
eFlow104NA8D	4.5A	6.3A/250V	15A/32V	—	9.6A	8	2.5A	10A/250V	2.5A

Lifetime Warranty

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Specifications

Input

Voltage 120VAC, 60Hz
Input Fuse Varies, see Reference Chart

Outputs

Class 2 Rated power-limited PTC Protected Outputs (auto-resettable)
Voltage 12VDC or 24VDC, see Reference Chart
Current Varies, depending on the model
Protection PTC 2.5A
Auxiliary 3.5A (unswitched)
Other Overvoltage protection
Filtered and regulated outputs

Battery Charging

Capacity 12AH/12VDC (1 or 2 within enclosure)
40AH/65AH (requires separate enclosure)
Type Sealed lead acid or gel type
Fuse Rating Varies, see Reference Chart
Failover Upon AC loss, instantaneous
Batteries are sold separately

Supervision

AC Failure Form "C" contacts
Battery Form "C" contacts

Low DC Power Shutdown

Shuts down DC output terminals if battery voltage drops below 71-73% for 12V units and 70-75% for 24V units (depending on the power supply). Prevents deep battery discharge

Indicators (LED)

Input 120VAC is present
DC Output Powered
Relays Individual LEDs indicate outputs are triggered (relays energized)
FACP Indicates FACP disconnect is triggered

Fire Alarm Disconnect

Supervised Latching or non-latching, individually selectable for any or all of the eight (8) outputs
EOL 10K Resistor

Agency Listings

UL:
UL294 Access Control System Units
cUL:
ULC-S319-05 Electronic Access Control Systems.
Class I Equipment
CSA C22.2 No.205 Signal Equipment
CSFM California State Fire Marshall Approved
CE European Conformity

Physical and Environmental

Dimensions (H x W x D)

Enclosure: 15.5" x 12" x 4.5" (393.7mm x 304.8mm x 114.3mm)
Shipping: 16.5" x 13.5" x 6" (419.1mm x 342.9mm x 152.5mm)

Product Weight / Shipping (approx.)

Model	Product Weight	Shipping Weight
eFlow4NA8D	8.65 lb. (3.92 kg)	9.95 lb. (4.51 kg)
eFlow6NA8D	8.6 lb. (3.9 kg)	9.9 lb. (4.49 kg)
eFlow102NA8D	8.65 lb. (3.92 kg)	9.95 lb. (4.51 kg)
eFlow104NA8D	8.9 lb. (4.04 kg)	10.2 lbs. (4.63 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. (12VDC/24VDC, approx.):

Model	12VDC	24VDC
eFlow4NA8D	25	50
eFlow6NA8D	37	74
eFlow102NA8D	61	N/A
eFlow104NA8D	N/A	123

Accessories (order separately)



LINQ2

LINQ2 - Network Supervision

Altronix LINQ2 Network Communication Module provides remote supervision, control and monitoring over LAN/WAN

- Remotely reports accurate power diagnostics
- Controls power and resets devices
- Reports system diagnostics via Email



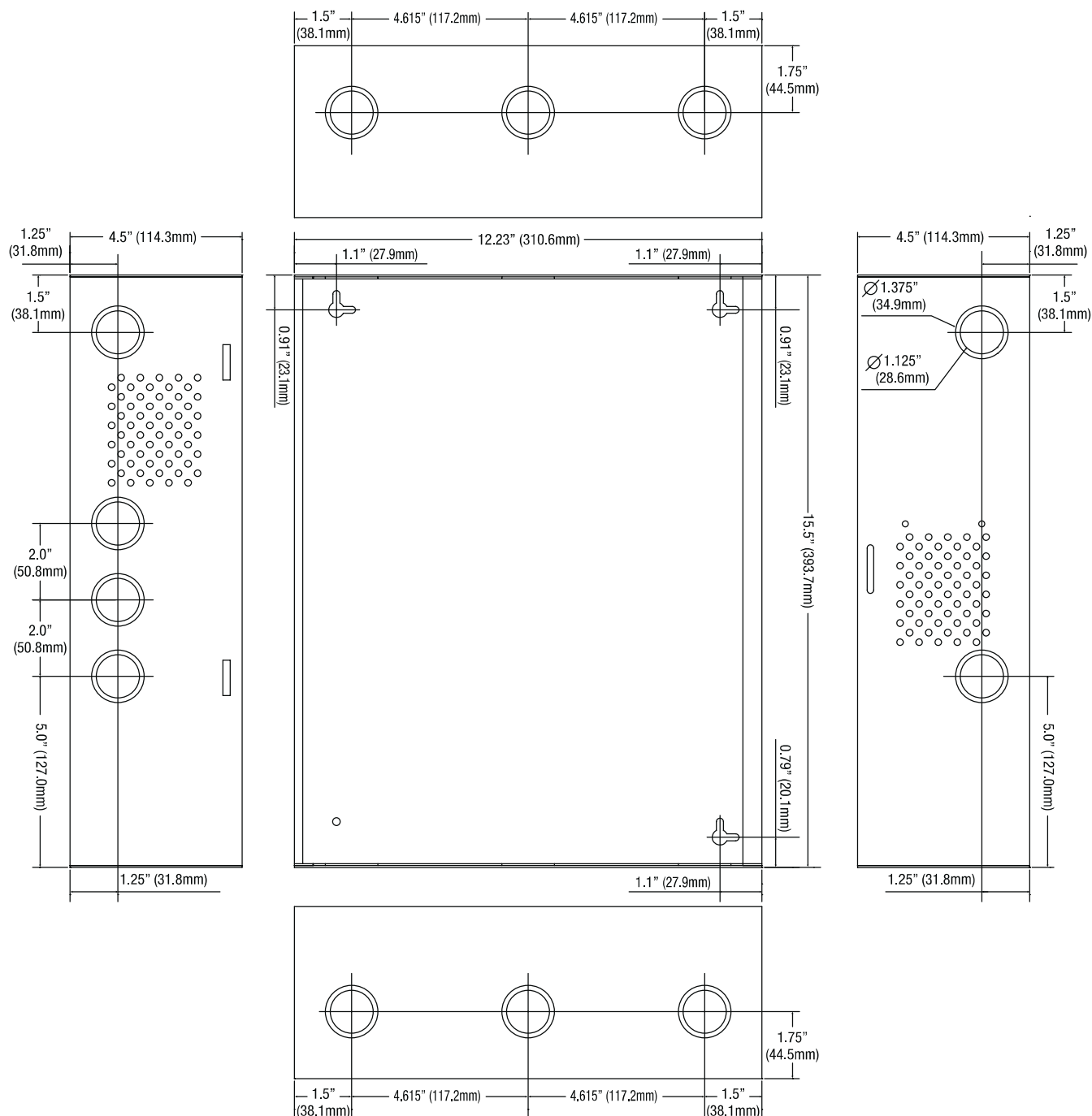
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Dimensions and Drawing

Dimensions (H x W x D approximate)

15.5" x 12" x 4.5" (393.7mm x 304.8mm x 114.3mm)


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