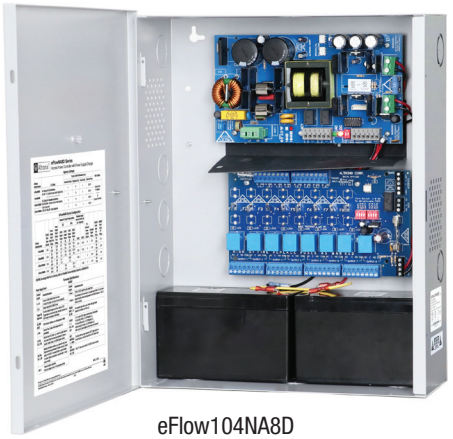
Altronix®

Rev. 03032023

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.



eFlow104NA8D

Batteries are not included

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

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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	2.5A (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 12.23" x 4.5" (393.7mm x 310.6mm 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)

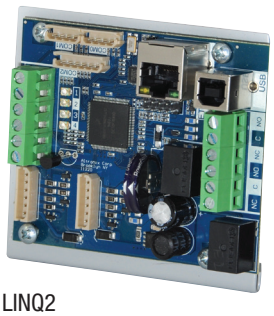
Temperature

Operating:	0ºC to 49ºC (32ºF to 120ºF)
Storage:	– 20ºC to 70ºC (– 4ºF to 158ºF)
Relative Humidity	20 to 85%, non-condensing

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

Lifetime Warranty

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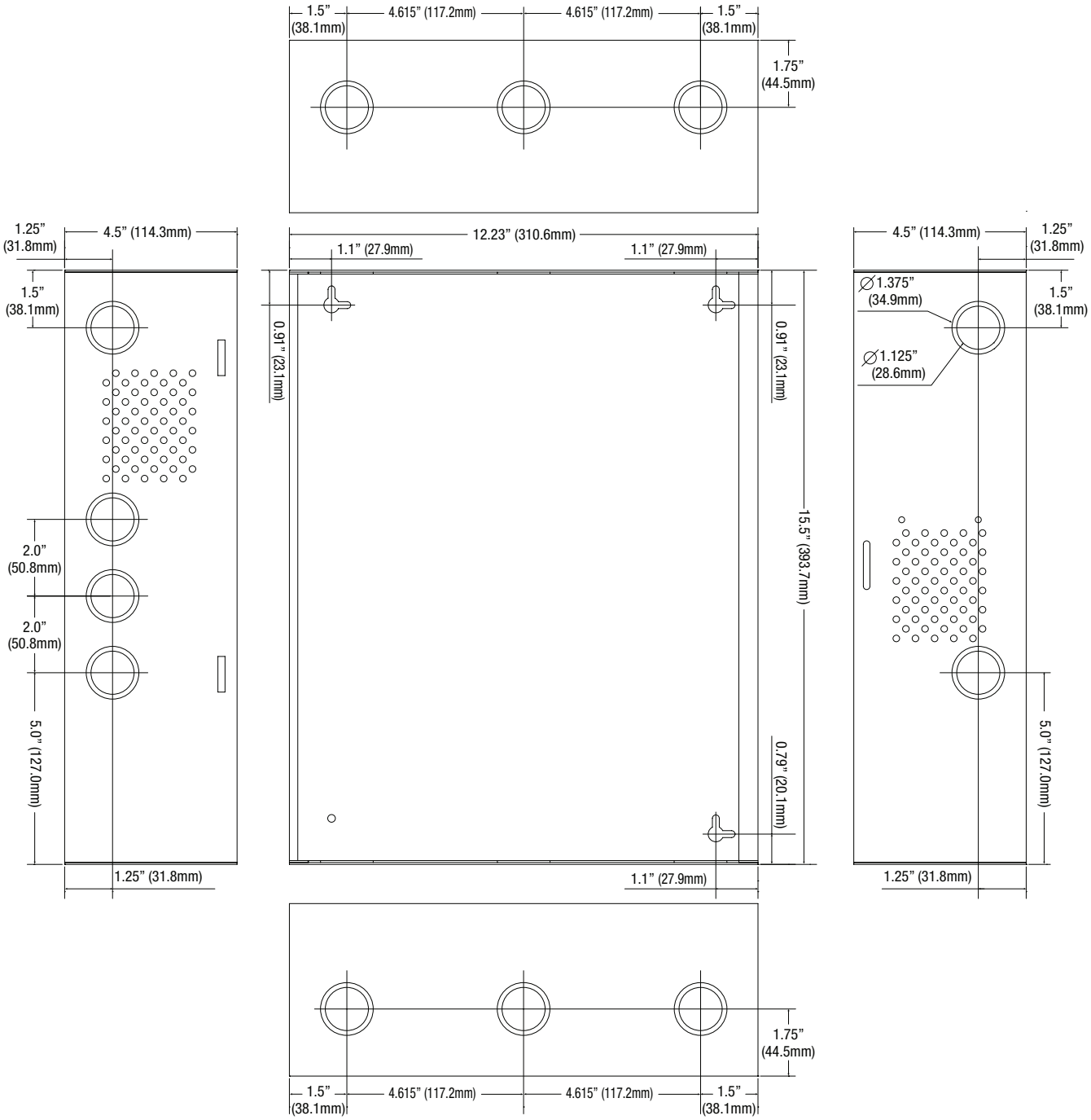
eFLOW™

Dimensions and Drawing

Dimensions (H x W x D approximate)

15.5" x 12.23" x 4.5" (393.7mm x 310.6mm x 114.3mm)