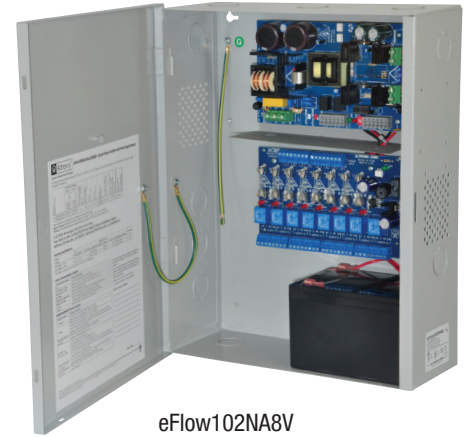


## eFlowNAV Series

### Power Supply/Chargers with Multi-Output Access Power Controllers



Altronix eFlowNAV series distribute and switch power to access control systems and accessories. They convert a 220VAC (working range 198VAC - 256VAC), 50/60Hz input into eight (8) independently controlled 12VDC or 24VDC fuse protected outputs. These power outputs can be converted to dry form “C” contacts. 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.



eFlow102NA8V

#### Key Features

- Eight (8) independently controlled outputs
- Output options:
  - a) Eight (8) Fail-Safe and/or Fail-Secure power outputs
  - b) Eight (8) form “C” 5A rated relay outputs.
  - c) Any combination of the above
- Eight (8) auxiliary power outputs (unswitched).
- Output fuses are rated @ 3.5A
- 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
- CE European Conformity
- Lifetime Warranty

#### eFlowNAV Series Power Supply Configuration Reference Chart

Altronix Model Number	220VAC 50/60 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)		Fuse Protected Outputs	Current per ACM8 output (A)	ACM8 Board Input Fuse Rating	ACM8 Board Output Fuse Rating
				12VDC	24VDC				
eFlow4NA8V	2.1A	5A/250V	7.5A/32V	3.3A	3.6A	8	2.5A	10A/250V	2.5A/250V
eFlow6NA8V	2.1A	5A/250V	10A/32V	5.3A	5.6A	8	2.5A	10A/250V	2.5A/250V
eFlow102NA8V	2.1A	5A/250V	15A/32V	9.3A	–	8	2.5A	10A/250V	2.5A/250V
eFlow104NA8V	2.7A	6.3A/250V	15A/32V	–	9.6A	8	2.5A	10A/250V	2.5A/250V

#### Lifetime Warranty

## Specifications

### Input

Voltage 220VAC (working range 198VAC - 256VAC), 50/60Hz  
 Fusing Varies, see Reference Chart

### Outputs

Voltage 12VDC or 24VDC, see Reference Chart  
 Current Varies, depending on the model  
 Protection Fused 3.5A  
 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

### Fire Alarm Disconnect

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

### 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 220VAC is present  
 DC Output Powered  
 Relays Individual LEDs indicate outputs are triggered (relays energized)  
 FACP Indicates FACP disconnect is triggered

### Agency Listings

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
eFlow4NA8V	8.65 lb. (3.92 kg)	9.95 lb. (4.51 kg)
eFlow6NA8V	8.6 lb. (3.9 kg)	9.9 lb. (4.49 kg)
eFlow102NA8V	8.65 lb. (3.92 kg)	9.95 lb. (4.51 kg)
eFlow104NA8V	8.9 lb. (4.04 kg)	10.2 lb. (4.63 kg)

#### Temperature

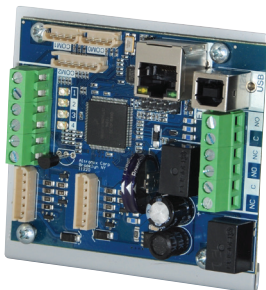
Operating: 0°C to 49°C (32°F to 120°F)  
 Storage: -20°C to 70°C (-4°F to 158°F)

Relative Humidity 85% +/- 5%

#### BTU/Hr. (12VDC/24VDC, approx.):

Model	12VDC	24VDC
eFlow4NA8V	25	50
eFlow6NA8V	37	74
eFlow102NA8V	61	N/A
eFlow104NA8V	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

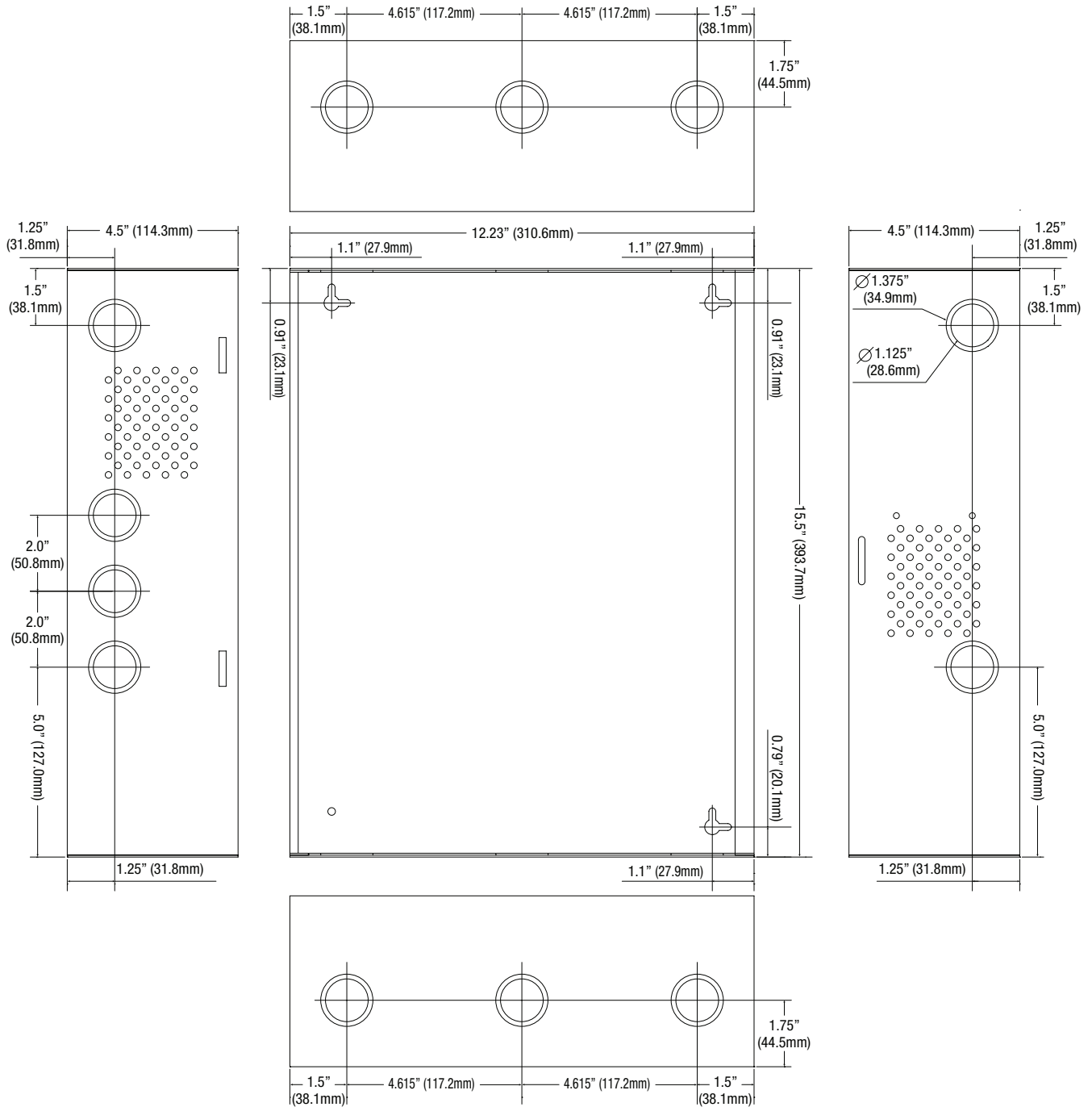


### Lifetime Warranty

## 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)



### Lifetime Warranty

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