A1 SECURITY CAMERAS
The First Name in Security

eFlowNADV Series
Power Supply/Chargers with Multi-Output Access Power Controllers

eFlow6NA8DV

Description

Altronix eFlowNADV 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 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.

Key Features

- Eight (8) independently controlled Fail-Safe and/or Fail-Secure power outputs.
- 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.
- CE Approved.
- Lifetime Warranty / Made in the U.S.A.

eFlowNADV Series Power Supply Configuration Reference Chart

Altronix Model Number	Maximum Supply Current for Main and Aux. Outputs (A)		PTC Protected Outputs (auto-resettable)	220VAC 50/60 Hz Input Current (A)	Current per ACM8CB output (A)	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	ACM8CB Board Input Fuse Rating	ACM8CB Board Output PTC Rating
	12VDC	24VDC							
eFlow4NA8DV	3.3A	3.6A	8	2.1A	2.5A	5A/250V	7.5A/32V	10A/250V	2.5A
eFlow6NA8DV	5.3A	5.6A	8	2.1A	2.5A	5A/250V	10A/32V	10A/250V	2.5A
eFlow102NA8DV	9.3A	——	8	2.1A	2.5A	5A/250V	15A/32V	10A/250V	2.5A
eFlow104NA8DV	——	9.6A	8	2.7A	2.5A	6.3A/250V	15A/32V	10A/250V	2.5A

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Available from A1 Security Cameras
www.a1securitycameras.com email: sales@a1securitycameras.com

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eFLOW

Altronix

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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	PTC 2.5A.
Auxiliary	3.5A (unswitched).
Other	Overvoltage protection. Filtered and regulated outputs.

Back-up Battery *(not included)*

Capacity	12AH / 12VDC (1 or 2 within enclosure). 18AH / 40AH / 65AH (requires separate enclosure).
Type	Sealed lead acid or gel type.
Fuse Rating	Varies, see Reference Chart.
Failover	Upon AC loss, instantaneous.

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.
Battery	Discharged or not connected.
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)

15.5” x 12” x 4.5” (393.7mm x 304.8mm x 114.3mm).
Accommodates up to two (2) 12VDC/12AH batteries.

Product Weight / Shipping (approx.)

Model	Product Weight	Shipping Weight
eFlow4NA8DV	8.65 lbs. (3.92 kg)	9.95 lbs. (4.51 kg)
eFlow6NA8DV	8.6 lbs. (3.9 kg)	9.9 lbs. (4.49 kg)
eFlow102NA8DV	8.65 lbs. (3.92 kg)	9.95 lbs. (4.51 kg)
eFlow104NA8DV	8.9 lbs. (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	85% +/-5%

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

Model	12VDC	24VDC
eFlow4NA8DV	25	50
eFlow6NA8DV	37	74
eFlow102NA8DV	61	N/A
eFlow104NA8DV	N/A	123

Accessories

Network Supervision

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

- Remotely reports accurate power diagnostics
- Controls power and resets devices
- Email and SNMP trap message notifications

LINQ TECHNOLOGY

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