

**eFlow104NK8QP**

## Networked Dual Voltage Power Supply/Charger



Altronix eFlow104NK8QP converts a 120VAC 60Hz input into eight (8) fuse protected outputs. Outputs are individually selectable, providing 12VDC or 5VDC up to 6A and/or 24VDC up to 10A (240W total power) for access control panels, door locks, and ancillary devices. Unit includes an unswitched aux. output. It also offers a suite of features that includes fire alarm disconnect, over voltage protection, and low power disconnect which prevents deep discharge of stand-by batteries. Networkable power distribution module facilitates monitoring, reporting, and control of the supervised DC power supply/charger over the network. It reports diagnostics via Email and Windows Dashboard Alert notifications, greatly reducing system downtime and eliminating unnecessary service calls.



eFlow104NK8QP

**Key Features**

- Unit provides 12VDC or 5VDC up to 6A and/or 24VDC up to 10A (240W total power).
- Additional aux. Class 2 power-limited output rated @ 1A.
- Short circuit and overvoltage protection.
- Supervision
  - AC Fail
  - Battery Fail and Battery Presence
  - Low power shutdown.
- Fire alarm disconnect.
- Built-in charger for sealed lead acid or gel type batteries.
- Instantaneous transfer to stand-by batteries.
- Eight (8) fuse protected filtered and electronically regulated outputs.
- Bi-colored LEDs provide visual verification of voltage on each output.
- Stackable sub-assemblies save valuable space.
- Built-in LINQ technology facilitates monitoring, reporting, and control of power supply/charger over the network.
- Reports diagnostics via Email and Windows Dashboard Alert notifications, greatly reducing system downtime and eliminating unnecessary service calls.
- Two (2) network controlled Form "C" relays.
- Includes management interface software (USB flash drive) and interface cables.
- CE Approved.

**Lifetime Warranty / Made in the U.S.A.**

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## eFlow104NK8QP

Networked Dual Voltage Power Supply/Charger

### Specifications

#### Power Supply (eFlow104NB):

##### Input

Voltage	120VAC, 60Hz, 4.5A max.
Input Fuse	6.3A/250V.

##### Outputs

Voltage	24VDC @ 10A.
Auxiliary	1A (unswitched).
Protection	Overvoltage protection. Filtered and regulated.

#### Battery Backup

Type	Sealed lead acid or gel type.
Fuse Rating	10A @ 32VDC.
Failover	Upon AC loss, instantaneous.

#### Fire Alarm Disconnect

Supervised	Latching or non-latching.
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 70-75% for 24V units (depending on the power supply).  
Prevents deep battery discharge.

#### Indicators (LED)

AC Input	120VAC is present.
DC Output	Powered.
Battery	Discharged or not connected.

#### Voltage Regulator (VR6):

##### Input

Voltage	24VDC from eFlow104NB.
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##### Output

Voltage	12VDC.
Current	6A continuous.
Other	Surge suppression.

#### Indicators (LED)

Input	24VDC is present.
Output	Powered.

#### Network Power Distribution Module (LINQ8PD):

##### Input

Voltage	24VDC from eFlow104NB and 12VDC or 5VDC from VR6.
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Input Fuses	15A / 32V.
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##### Outputs

Eight (8) fused outputs rated 3A.	
Power output(s) can be locally or remotely controlled.	
Surge suppression.	
<b>Output Fuses</b>	3A / 32VDC.

#### Network Power Distribution Module (LINQ8PD) (cont'd):

##### Status Monitoring

Power Supply output voltage and load.  
Voltage and load of each output.  
FACP trigger and reset status.  
Unit temperature (Celsius).  
Power Supply AC and Battery status.  
Battery health.

##### Indicators (LED)

Bat Local	Charging current status.
FACP	Triggered / Released.
Input	Input signal.
Out1 - Out8	Bi-colored LEDs indicate 12 or 24VDC.

##### Reporting:

Windows Dashboard Alert messages.  
E-mail notifications.  
Event Log tracks history.

##### Programming Features:

Power Supply(ies) voltage and load limits (High/Low).  
FACP trigger type (wet or dry-N.O./N.C.).  
Input Function (FACP reset/tamper).  
Output Reset Trigger (N.O./N.C.).  
Battery Monitor Configuration:  
- Battery condition (Low/Normal/Missing)  
- Service Date  
Configurable Output Relay(s).  
Individual Output Configuration:  
- Device ID  
- Voltage and Current Limits (High/Low)  
- FACP Trigger Setting (latching/non-latching/inactive)  
- Battery Backup.

##### Fire Alarm Interface:

Supervised FACP disconnect (Latching or Non-Latching).  
FACP reset (N.C. or N.O.).

##### Agency Listings

CE	European Conformity
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##### Physical and Environmental

###### Dimensions (H x W x D)

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

Enclosure accommodates up to two (2) 12AH/12VDC batteries.

Product Weight 9.4 lb. (4.26 kg).

Shipping Weight 10.5 lb. (4.76 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.): 123 BTU/Hr.

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