

eFlow104NK8DQP

Networked Dual Voltage Power Supply/Charger



Altronix eFlow104NK8DQP converts a 120VAC 60Hz input into eight (8) PTC protected power-limited 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.



eFlow104NK8DQP

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) PTC protected power-limited 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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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 (LINQ8PDCB):

Input

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

Outputs

Eight (8) PTC protected outputs rated 2A.	
Power output(s) can be locally or remotely controlled.	
Surge suppression.	
Output PTCs	2A.

Network Power Distribution Module (LINQ8PDCB) (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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