

eFlow104NKA8DQM

Networked Dual Voltage Access Power Controller with Power Supply/Charger



Altronix eFlow104NKA8DQM 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. Power outputs can be converted to dry form “C” contacts. Outputs are activated by an open collector sink, normally open (NO), normally closed (NC) dry trigger input, or wet output from an Access Control System, Card Reader, Keypad, Push Button, PIR, etc. eFlow104NKA8DQM 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. The spade connectors allow you to daisy chain power to multiple LINQ8ACM modules. This feature allows you to distribute the power over more outputs for larger systems. Built-in LINQ™ Network Power Management facilitates monitoring, reporting and control of power/diagnostics.



eFlow104NKA8DQM

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.
- Bi-colored LEDs provide visual verification of voltage on each output.
- Stackable sub-assemblies save valuable space.
- Built-in charger for sealed lead acid or gel type batteries.
- Instantaneous transfer to stand-by batteries.
- Eight (8) independently controlled outputs.
- Eight (8) auxiliary power outputs (unswitched).
- Filtered and electronically regulated outputs.
- Fire Alarm disconnect (latching or non-latching) is individually selectable for any or all of the eight (8) outputs.
- 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.
- CE Approved.

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

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Networked Dual Voltage Access Power Controller with 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 Access Power Controller (LINQ8ACMCB):

Input

Voltage	24VDC from eFlow104NB and 12VDC or 5VDC from VR6.
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Input PTCs	9A.
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Outputs

PTC protected outputs rated @ 2A per output, power-limited. Total output 20A max. Any of the eight (8) PTC protected power outputs are selectable to follow power Input 1 or Input 2. Individual outputs may be set to OFF position for servicing. Output PTCs 2A.

Network Access Power Controller (LINQ8ACMCB) (cont'd):

Programming Features:

Eight (8) Programmable Outputs:

- Fail-safe, fail-secure or auxiliary outputs.
- Input controlled or manually controlled through software.
- High (over) and low (under) voltage and current monitoring by output.
- Multiple outputs may be programmed to be triggered by a single input.
- Battery back-up by output.

Eight (8) Programmable Trigger Inputs:

- Normally open (NO).
- Normally closed (NC).
- Open collector sink inputs.
- Wet Input (5VDC - 24VDC) with 10k resistor.
- Any combination of the above.

Other Programmable Trigger Inputs:

- Monitor power supply(ies) input for voltage and current limits (high/low).
- Input and output current calibration.
- Programmable timer events.
- Programmable user levels.
- Enable or disable alerts by type.
- Programmable alert reporting delay.

Fire Alarm Disconnect

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

LED Indicators

Green AC LED: indicates AC trouble condition.
Green BAT LED: indicates battery trouble condition.
Green FACP LED: indicates FACP disconnect is triggered.
Flashing Blue Heartbeat LED: indicates network connection.
Individual OUT1 - OUT8 Red LEDs: indicate outputs are triggered.
Out1 - Out8: Bi-colored LEDs indicate 12 or 24VDC.

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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