

**eFlow104NKA8D**

Dual Voltage Access Power Controller with Power Supply/Charger



Altronix eFlow104NKA8D converts a 120VAC 60Hz input into eight (8) PTC protected power-limited outputs. Outputs are individually selectable, providing 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. eFlow104NKA8D 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 ACMS8CB modules. This feature allows you to distribute the power over more outputs for larger systems.



eFlow104NKA8D

**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.
- UL Listed in the U.S. and Canada.
- CE Approved.

**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

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



## eFlow104NKA8D

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.

#### Dual Input Access Power Controller (ACMS8CB):

##### Input

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

Voltage	12 or 24VDC individually selectable.
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Eight (8) selectable 12VDC or 24VDC independently controlled outputs or eight (8) independently controlled Form "C" relay outputs:

- Fail-Safe and/or Fail-Secure power outputs.
- Form "C" Relays. 28VAC or VDC @ 2.5A Rated.
- Auxiliary power outputs (unswitched).
- Any combination of the above.

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.
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#### Indicators (LED)

Red LEDs	Outputs are triggered (relays energized).
Blue LED	FACP disconnect is triggered.
Out1 - Out8	Bi-colored LEDs indicate 12 or 24VDC.

#### Agency Listings

##### UL:

UL294	Access Control System Units.
UL603	Power Supplies for Use with Burglar-Alarms Systems.
UL1481	Power Supplies for Fire Protective Signaling Systems.

##### cUL:

ULC-S318-96	Power Supplies for Burglar Alarm Systems. Also suitable for Access Control.
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##### CE

European Conformity.

All components of this kit are UL Listed sub-assemblies. Please refer to the corresponding Sub-Assembly Installation Guides for further information.

#### 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).
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Shipping Weight	10.5 lb. (4.76 kg).
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##### Temperature

Operating	0°C to 49°C (32°F to 120°F).
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Storage	-20°C to 70°C (-4°F to 158°F).
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Relative Humidity 85% +/-5%

BTU/Hr. (approx.): 123 BTU/Hr.

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