

## eFlow104NK8

### Dual Output Power Supply/Charger



Ordering# EFLOW104NK8

Kit Contents: eFlow104NX with VR6 and PDS8 UL Listed sub-assemblies

Altronix eFlow104NK8 sub-assembly kit converts a 120VAC 60Hz input into eight (8) fuse protected 12VDC or 24VDC outputs with a total of 10A max. 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. Dual input design allows power to be steered from two (2) factory installed independent low voltage 12 or 24VDC Altronix power supplies to eight (8) independently controlled fuse protected outputs.



eFlow104NK8

### 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
- Filtered and electronically regulated outputs
- Kit contents are UL Listed sub-assemblies
- CE European Conformity

### Accessories (order separately)



LINQ2

#### LINQ2 - Network Supervision

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

- Remotely reports accurate power diagnostics
- Controls power and resets devices
- Reports system diagnostics via Email

#### Lifetime Warranty

### 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 Charging

Capacity	12AH/12VDC (2 within enclosure) 40AH/65AH (requires separate enclosure)
Type	Sealed lead acid or gel type
Fuse Rating	15A/32V
Failover	Upon AC loss, instantaneous
Batteries are sold separately	

#### 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

#### Dual Input Power Distribution Module (PDS8):

##### Input

Voltage	24VDC from eFlow104NB and 12VDC from VR6.
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Input Fuses	10A/32V
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##### Outputs

Voltage 12 or 24VDC individually selectable  
Any of the eight (8) fuse protected power outputs are selectable to follow power Input 1 or Input 2.  
Individual outputs may be set to OFF position for servicing

Output Fuses	3A/32V
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#### Indicators (LED)

Out1 - Out8	Bi-colored LEDs indicate 12 or 24VDC
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#### 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

#### Agency Listings

##### eFlow104NX

Access Control	UL294, ULC-S319
Burglar Alarm	UL603, ULC-S318-96
Fire Alarm	UL1481
CE	European Conformity

##### VR6

Access Control	UL294, ULC-S319
CE	European Conformity

##### PDS8

Access Control	UL294, ULC-S319
CE	European Conformity

#### Physical and Environmental

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

Enclosure: 15.5" x 12" x 4.5" (393.7mm x 304.8mm x 114.3mm)  
Shipping: 16.5" x 13.5" x 6" (419.1mm x 342.9mm x 152.5mm)

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

##### Weight (approx.)

Product:	9.4 lb. (4.26 kg)
Shipping:	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%

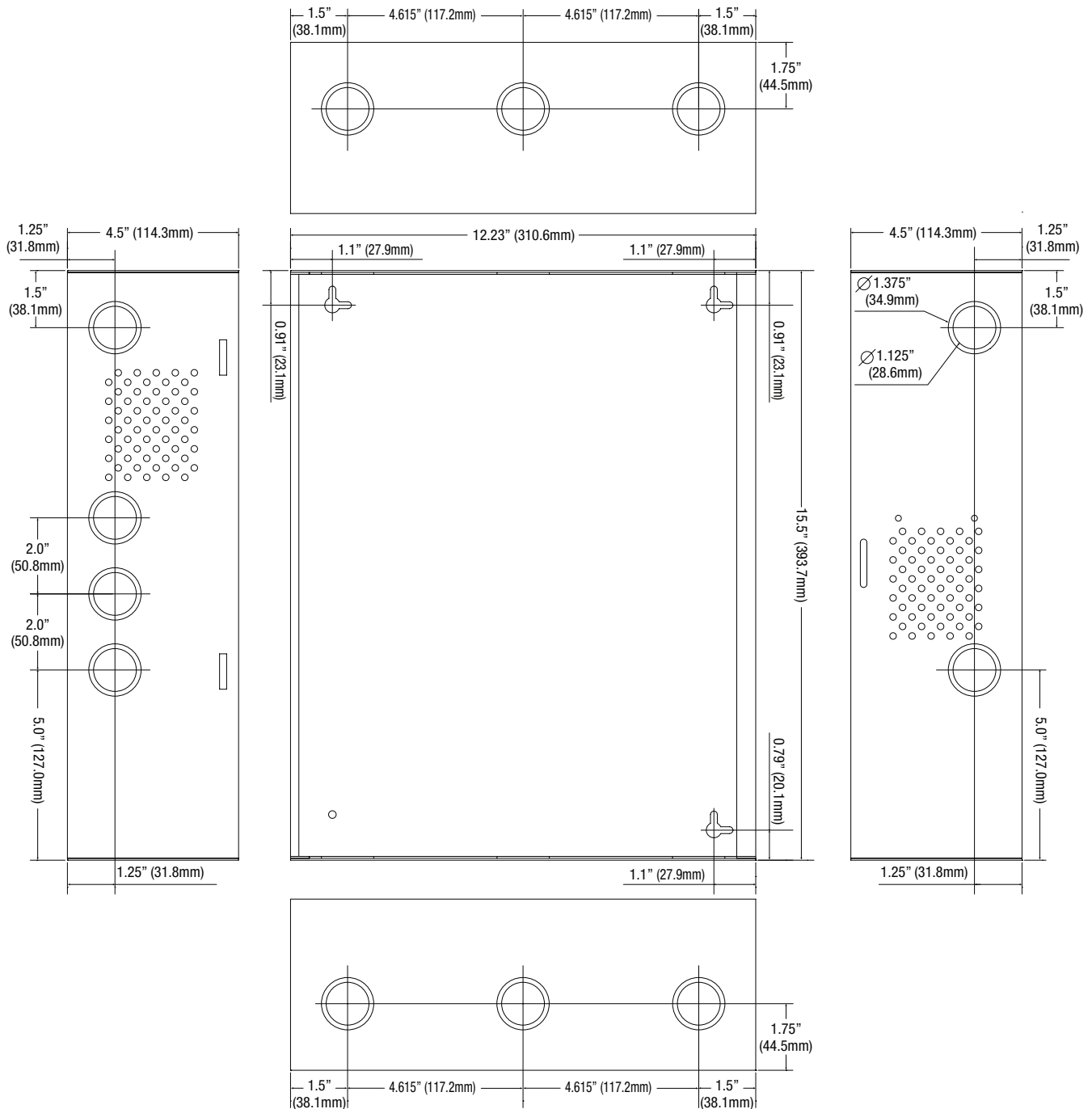
BTU/Hr. (approx.) 123 BTU/Hr.

#### Lifetime Warranty

## Dimensions and Drawing

Dimensions (H x W x D approximate)

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



### Lifetime Warranty

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