

eFlow104NK8D

Dual Output Power Supply/Charger



Ordering# EFLOW104NK8D

Kit Contents: eFlow104NX with VR6 and PDS8CB UL Listed sub-assemblies

Altronix eFlow104NK8D sub-assembly kit converts a 120VAC 60Hz input into eight (8) PTC protected power-limited 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 PTC protected outputs.



eFlow104NK8D

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

Altronix Corporation | 140 58th St | Brooklyn, NY 11220 USA

phone: +1 718.567.8181 | fax: +1 718.567.9056 | email: info@altronix.com | www.altronix.com



eFlow104NK8D

Dual Output 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 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 (PDS8CB):

Input

Voltage	24VDC from eFlow104NB and 12VDC from VR6.
---------	--

Input PTCs	9A
------------	----

Outputs

Voltage	12 or 24VDC individually selectable 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	2.5A
-------------	------

Indicators (LED)

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

Voltage Regulator (VR6):

Input

Voltage	24VDC from eFlow104NB.
---------	------------------------

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

PDS8CB

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

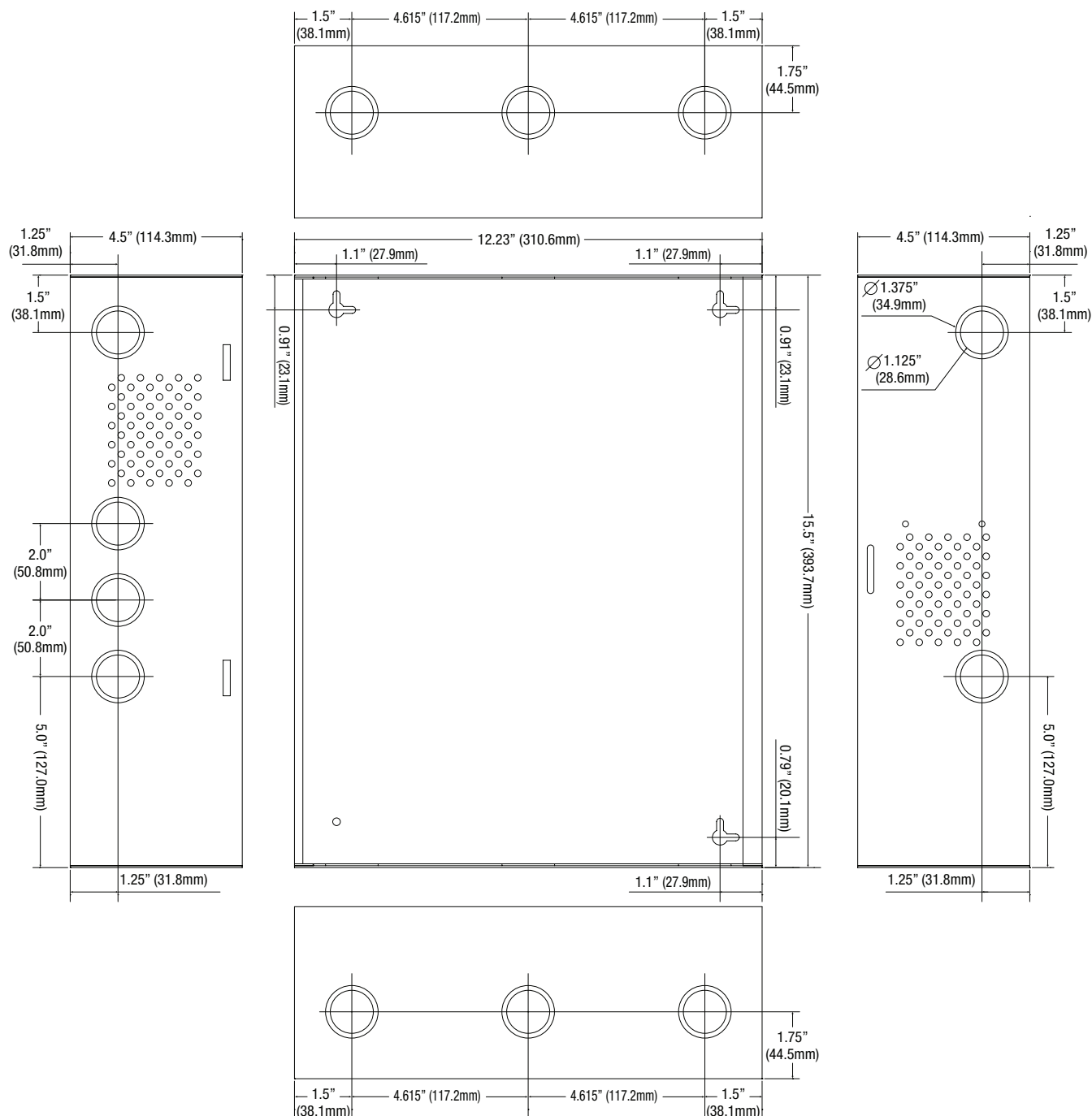
Altronix Corporation | 140 58th St | Brooklyn, NY 11220 USA

phone: +1 718.567.8181 | fax: +1 718.567.9056 | email: info@altronix.com | www.altronix.com

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

Altronix Corporation | 140 58th St | Brooklyn, NY 11220 USA

phone: +1 718.567.8181 | fax: +1 718.567.9056 | email: info@altronix.com | www.altronix.com