

eFlow3N Series

Power Supply/Chargers



Altronix eFlow3N series power supply/chargers convert a 120VAC 60Hz input into a single or four (4) fuse/PTC protected Class 2 power-limited outputs. Power supply/charger is selectable for 12VDC or 24VDC with a total of 2A max. It also offers a suite of features that includes fire alarm disconnect, overvoltage protection, and low power disconnect which prevents deep discharge of stand-by batteries.



eFlow3N4D

Key Features

- Available with 1 or 4 outputs
- Fuse or PTC protected Class 2 power-limited outputs
- Additional aux. Class 2 power-limited output rated @ 1A
- Overvoltage protection
- Fire alarm disconnect
- Supervision
 - AC Fail
 - Battery Fail and Battery Presence
 - Low power shutdown
- Built-in charger for sealed lead acid or gel type batteries
- Instantaneous transfer to stand-by batteries
- Short circuit and overload protection
- AC input and DC output LED indicators
- UL Listed in the U.S. and Canada
- CE European Conformity
- Lifetime Warranty

eFlow3N series Power Supply Configuration Reference Chart

Altronix Model Number	Input Rating: 120VAC, 60Hz	Input Fuse Rating	Battery Fuse Rating	Nominal DC Outputs				Maximum Supply Current for Main and Aux. Outputs (A)	Ripple Voltage (mV) Under low battery condition	Power Distribution Module	Number of Outputs	Fused Outputs Ratings	Auto-Resettable PTC Outputs Ratings	Accommodates up to 7AH Batteries	Accommodates up to 12AH Batteries
				[DC]		[AUX]									
				12VDC Output Range (V)	24VDC Output Range (V)	12VDC Output Range (V)	24VDC Output Range (V)								
eFlow3N	3.5A	5A/ 250V	3A/ 32V	10.13-13.2	20.28-26.39	10.15-13.2	20.2-26.39	2A	960	N/A	1	-	-	✓	-
eFlow3NX												-	-	-	✓
eFlow3N4	3.5A	5A/ 250V	3A/ 32V	10.13-13.2	20.28-26.39	10.15-13.2	20.2-26.39	2A	960	PD4UL	4	2A	-	✓	-
eFlow3NX4												2A	-	-	✓
eFlow3N4D	3.5A	5A/ 250V	3A/ 32V	9.78-13.2	20.28-26.39	10.15-13.2	20.2-26.39	2A	960	PD4ULCB	4	-	2A	✓	-
eFlow3NX4D												-	2A	-	✓

Lifetime Warranty

Specifications

Input

Voltage	120VAC, 60Hz, 3.5A max.
Fuse Rating	5A/250V

Outputs

Voltage	12VDC or 24VDC selectable
Current	2A continuous max.
Protection	Fused: 2A / PTC: 2A
Auxiliary	Class 2 power-limited @ 1A (unswitched)
Other	Overvoltage protection. Filtered and regulated

Battery Charging

Capacity	7AH/12VDC (1 or 2 within enclosure) 12AH/12VDC (requires larger "X" enclosure) 40AH/65AH (requires separate enclosure)
Type	Sealed lead acid or gel type
Fuse Rating	3A/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 71-73% for 12V units and 70-75% for 24V units (depending on the power supply)
Prevents deep battery discharge

Indicators (LED)

Input 1	20VAC is present
DC Output	Powered

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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CSFM

California State Fire Marshall Approved

CE

European Conformity

Physical and Environmental

Dimensions (H x W x D)

eFlow3N, eFlow3N4(D):

Enclosure: 13.5" x 13" x 3.25" (342.9mm x 330.2mm x 82.55mm)

Shipping: 15" x 13.875" x 4.75" (381mm x 352.4mm x 120.6mm)

eFlow3NX, eFlow3NX4(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)

Weight (approx.)

Model	Product Weight	Shipping Weight
eFlow3N	6.3 lb. (2.86 kg)	7.2 lb. (3.27 kg)
eFlow3NX	8.15 lb. (3.7 kg)	9.1 lb. (4.13 kg)
eFlow3N4(D)	6.45 lb. (2.93 kg)	7.35 lb. (3.33 kg)
eFlow3NX4(D)	8.3 lb. (3.76 kg)	9.6 lb. (4.2 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.)

12VDC: 12 BTU/Hr.

24VDC: 25 BTU/Hr.

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

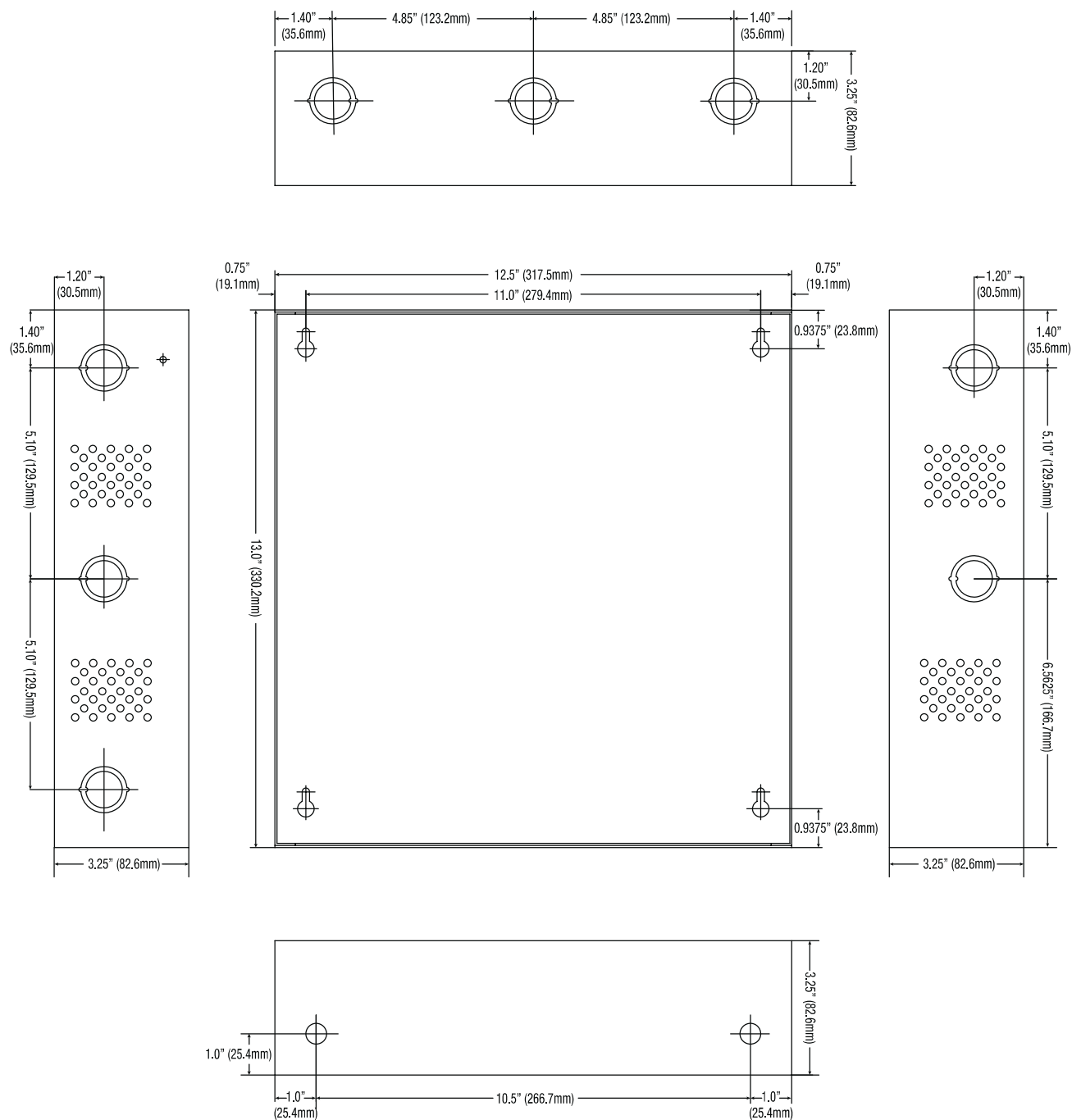
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Dimensions and Drawing

eFlow3N, eFlow3N4(D) Dimensions (H x W x D approximate)

13.5" x 13" x 3.25" (342.9mm x 330.2mm x 82.55mm)



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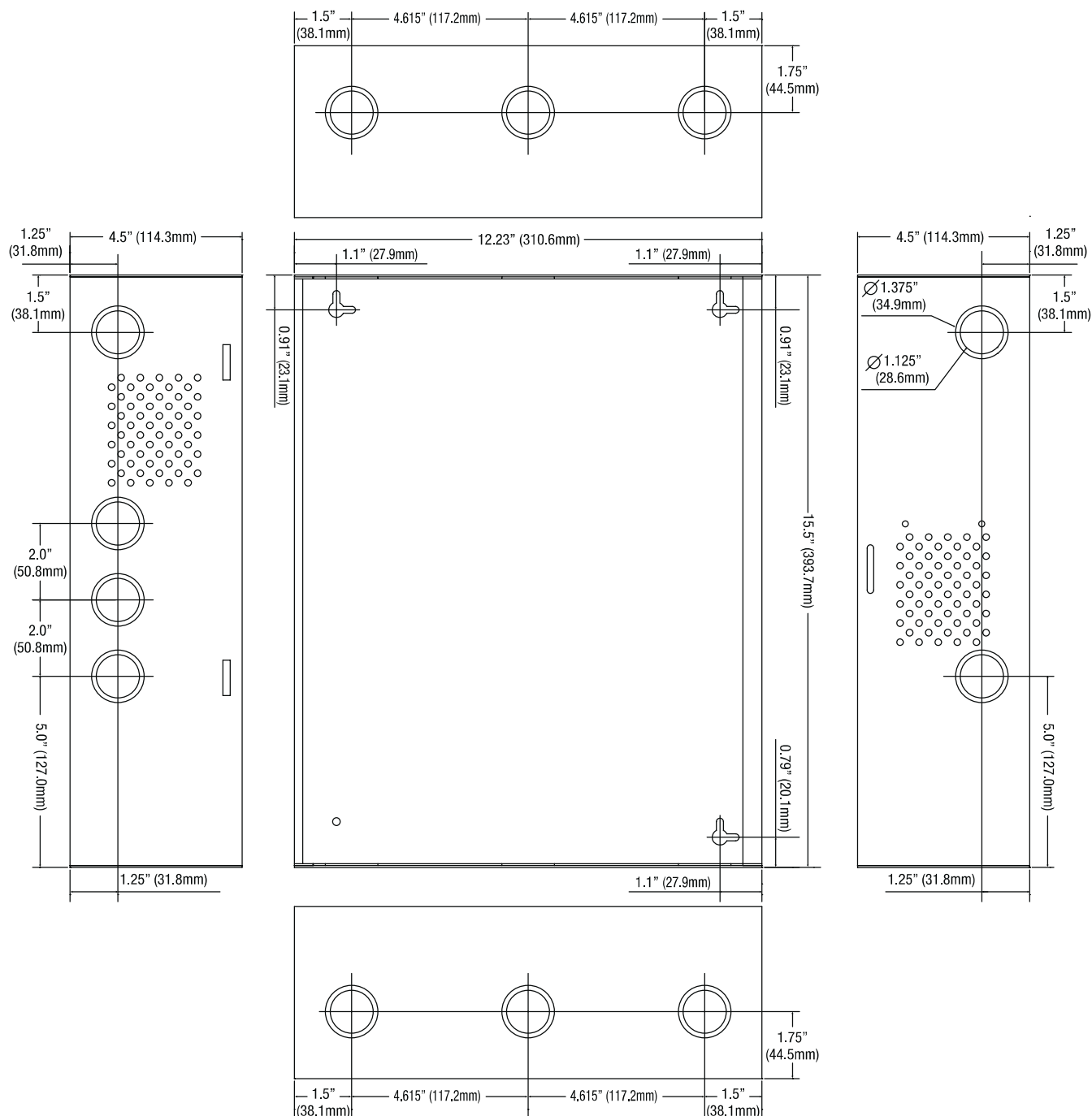
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