

eFlow4N Series

Power Supply/Chargers



Altronix eFlow4N series power supply/chargers convert a 120VAC 60Hz input into a single or eight (8) fuse or PTC protected Class 2 power-limited outputs. Power supply/charger is selectable for 12VDC or 24VDC with a total of 4A 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.



eFlow4N8

Key Features

- Available with 1 or 8 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

eFlow4N 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)								
eFlow4N	3.5A	5A/250V	7.5A/32V	10.1-13.2	20.28-26.4	10.05-13.2	20.2-26.4	4A	730	N/A	1	-	-	✓	-
eFlow4NX														-	✓
eFlow4N8	3.5A	5A/250V	7.5A/32V	10.1-13.2	20.28-26.4	10.05-13.2	20.2-26.4	4A	730	PD8UL	8	2.5A	-	✓	-
eFlow4NX8														-	✓
eFlow4N8D	3.5A	5A/250V	7.5A/32V	9.78-13.2	20.28-26.4	10.05-13.2	20.2-26.4	4A	730	PD8ULCB	8	-	2A	✓	-
eFlow4NX8D														-	✓

Lifetime Warranty

Specifications

Input

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

Outputs

Voltage 12VDC or 24VDC selectable
Current 4A continuous max.
Protection Fused 2.5A / 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 7.5A/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
CSFM California State Fire Marshall Approved
CE European Conformity

Physical and Environmental

Dimensions (H x W x D)

eFlow4N, eFlow4N8(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)

eFlow4NX, eFlow4NX8(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
eFlow4N	6.55 lb. (2.97 kg)	7.45 lb. (3.38 kg)
eFlow4NX	8.4 lb. (3.81 kg)	9.5 lb. (4.3 kg)
eFlow4N8(D)	6.7 lb. (3.04 kg)	7.6 lb. (3.45 kg)
eFlow4NX8(D)	8.55 lb. (3.88 kg)	9.65 lb. (4.38 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: 25 BTU/Hr.
24VDC: 49 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

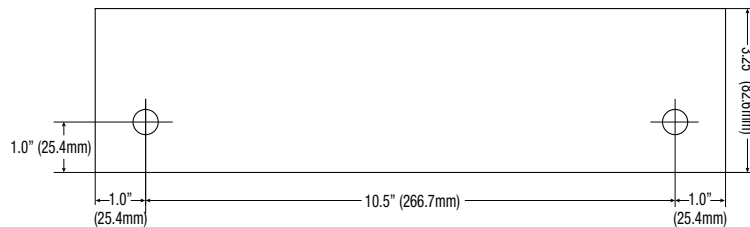
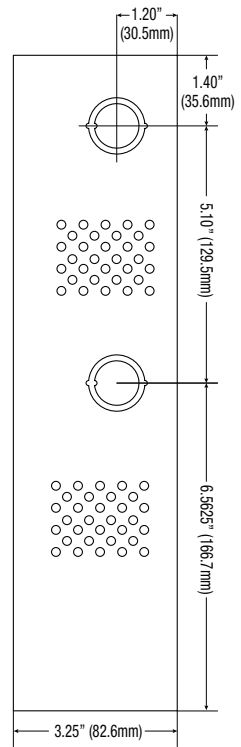
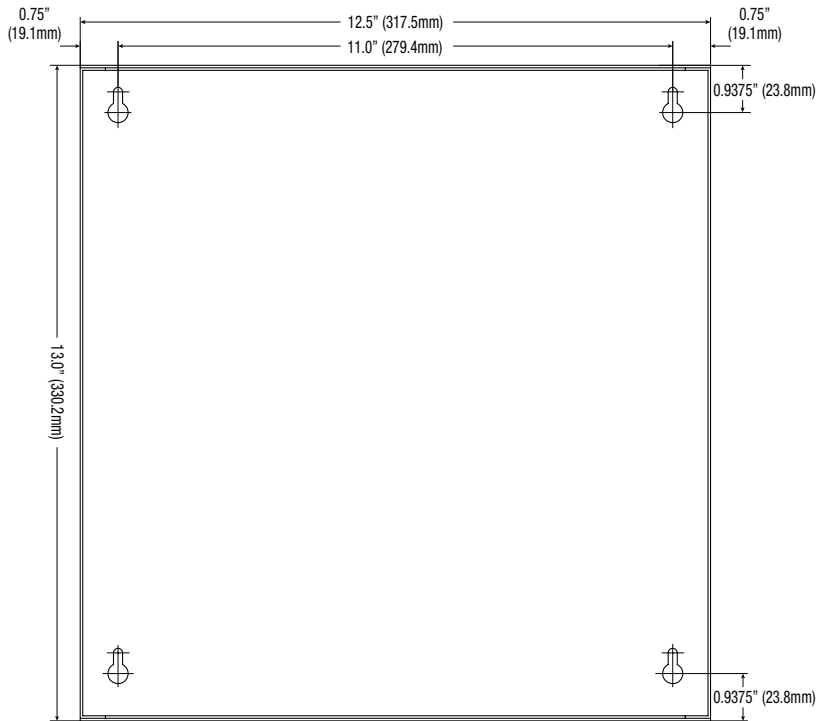
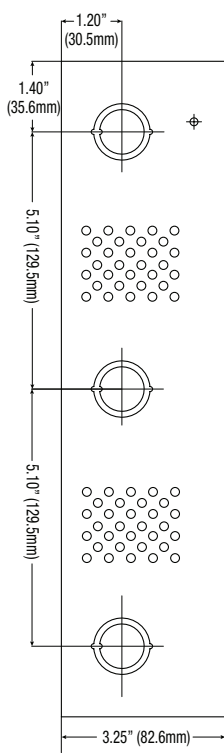
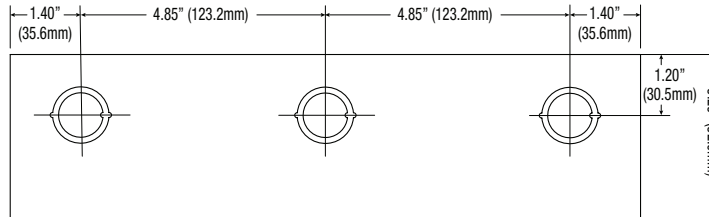


Lifetime Warranty

Dimensions and Drawing

eFlow4N, eFlow4N8(D) Dimensions (H x W x D approximate)

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



Lifetime Warranty

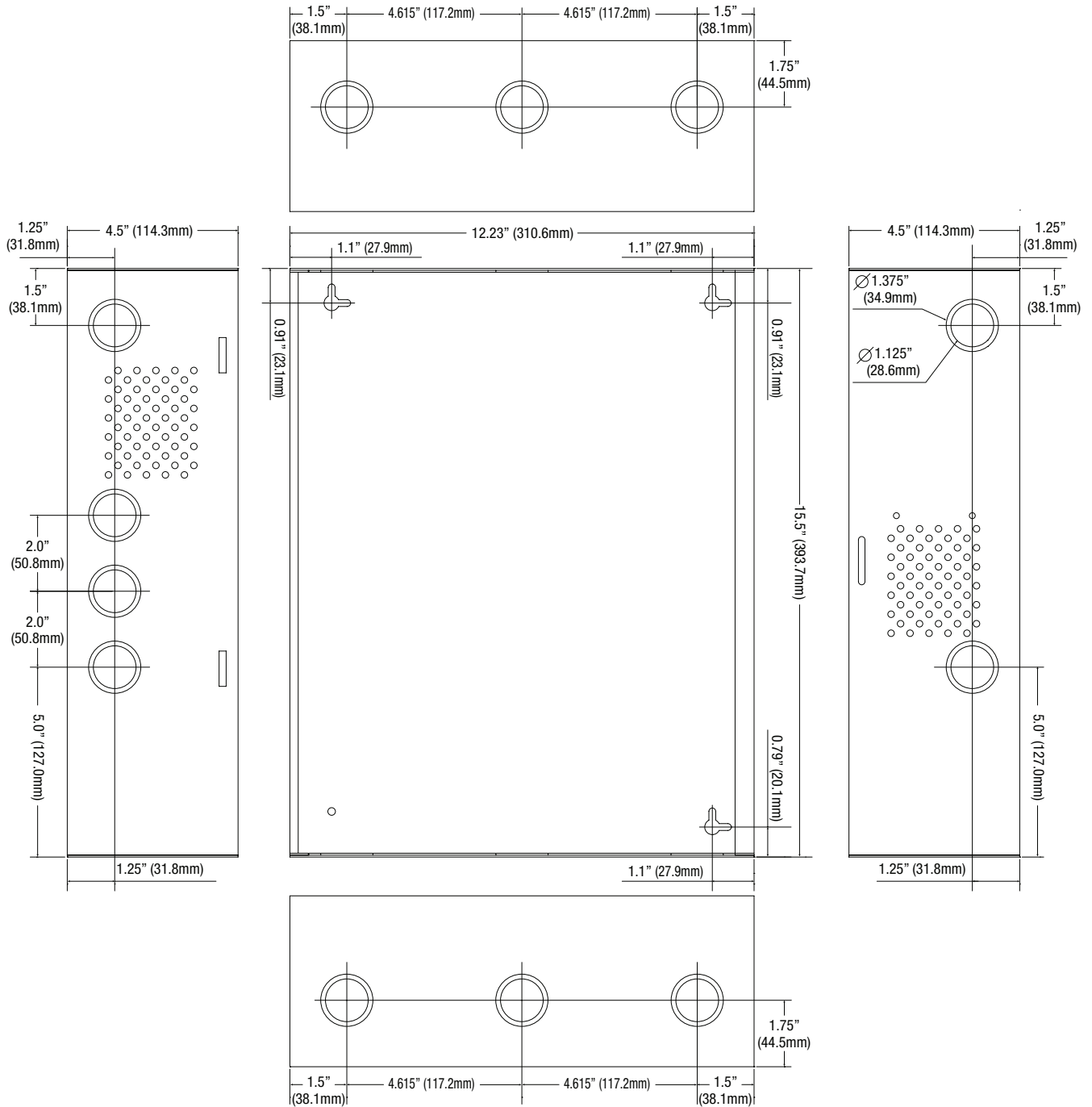
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Dimensions and Drawing

eFlow4NX, eFlow4NX8(D) Dimensions (H x W x D approximate)

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



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