



Altronix®

## eFlow104N16D Power Supply/Charger

Rev. DSeFlow104N16D\_11112013



eFlow104N16D



### Overview

eFlow104N16D is a power supply/charger that converts a 120VAC 60Hz input into sixteen (16) PTC protected power-limited 24VDC outputs with a total of 10 amps max. The 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.

**Input:**

- 120VAC, 60Hz, 4.5 amp.
- Input fuse: 5A/250V.

**Output:**

- Sixteen (16) PTC protected power-limited outputs.
- Outputs are rated @ 2 amp.
- 24VDC @ 10.0 amp supply current.
- Auxiliary Power-Limited output rated @ 1 amp (unswitched).
- Over Voltage Protection.

**Battery Backup:**

- Built-in charger for sealed lead acid or gel type batteries.
- Maximum charge current 1.54 amp.
- Automatic switch over to stand-by battery when AC fails. Transfer to stand-by battery power is instantaneous with no interruption.

**Supervision:**

- AC fail supervision (form "C" contacts).
- Battery fail & presence supervision (form "C" contacts).
- Low power shutdown. Shuts down DC output terminals if battery voltage drops below 70-75% (depending on the power supply). Prevents deep battery discharge.

### Specifications

**Fire Alarm Disconnect:**

- Supervised Fire Alarm disconnect (latching or non-latching) 10K EOL resistor. Operates on a normally open (NO) or normally closed (NC) trigger.

**Electrical:**

- Operating temperature: 0° C to 49° C ambient.
- BTU/Hr.: 124.85 BTU/Hr.
- System AC input VA requirement: 540VA.

**Visual Indicators:**

- Green AC Power LED indicates 120VAC present.
- AC input, DC output and Battery LED indicators.

**Additional Features:**

- Short circuit and overload protection.
- Unit is complete with power supply, enclosure, battery leads and cam lock.

**Mechanical:**

- Enclosure Dimensions (H x W x D approx.): 13.5" x 13" x 3.25" (342.9mm x 330.2mm x 82.55mm)
  - Accommodates up to two (2) 12VDC/7AH batteries.
- Product weight (approx.): 7.1 lbs. (3.22 kg).
- Shipping weight (approx.): 8 lbs. (3.63 kg).

### Agency Approvals



UL 294

UL Listed for Access Control System Units.

UL 603

UL Listed for Power Supplies for Use with Burglar-Alarms Systems.

UL 1481

UL Listed for Power Supplies for Fire Protective Signaling Systems.



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



CE - European Conformity



CSFM - California State Fire Marshal Approved.

**Enclosure Dimensions (H x W x D approximate):**

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

