Altronix®

eFlow102N8D
Power Supply/Charger

Overview

eFlow102N8D

eFlow102N8D is a power supply/charger that converts a 120VAC 60Hz input into eight (8) Class 2 Rated PTC protected power-limited 12VDC outputs with a total of 10 amps max. The unit includes a Class 2 rated 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.

eFLOW™

Specifications

Input:
- 120VAC, 60Hz, 3.5 amp.
- Input fuse: 5A/250V.

Output:
- Eight (8) Class 2 Rated PTC protected power-limited outputs.
- Outputs are rated @ 2 amp.
- 12VDC @ 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 71-73% (depending on the power supply). Prevents deep battery discharge.

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: 0º C to 49º C ambient.
- BTU/Hr.: 61.42 BTU/Hr.
- System AC input VA requirement: 420VA.

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.): 8.65 lbs. (3.92 kg).
- Shipping weight (approx.): 9.55 lbs. (4.33 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

Enclosure Dimensions *(H x W x D approximate)*:
13.5" x 13" x 3.25" (342.9mm x 330.2mm x 82.55mm)

1.40" (36mm)   4.85" (123mm)   4.85" (123mm)   1.40" (36mm)

1.20" (31mm)

3.25" (83mm)

1.20" (31mm)

1.40" (36mm)

5.10" (130mm)

5.10" (130mm)

3.25" (83mm)

12.5" (318mm)

0.75" (19mm)   11.0" (279mm)   0.75" (19mm)

0.9375" (24mm)

13.0" (330mm)

0.9375" (24mm)

1.20" (31mm)

1.40" (36mm)

5.10" (130mm)

6.5625" (167mm)

3.25" (83mm)

3.25" (83mm)

1.0" (25mm)

1.0" (25mm)

1.0" (25mm)   10.5" (267mm)   1.0" (25mm)