



Overview

AL300ULM multi-output access control power supply/charger is specifically designed for use with access control systems and accessories. This unit converts a 115VAC / 60Hz input into five (5) individually protected Class 2 Rated power-limited 12VDC or 24VDC outputs. Each output will route power to a variety of access control hardware devices including Mag Locks, Electric Strikes, Magnetic Door Holders, etc. These outputs will operate in both Fail-Safe and Fail-Secure modes. Controlled trigger input is achieved through normally open (N.O.) or normally closed (N.C.) supervised input or the polarity reversal from an FACP (Fire Alarm Control Panel). A form "C" dry output relay enables HVAC Shutdown, Elevator Recall or may be used to trigger auxiliary devices.

Specifications

Input:

- Input 115VAC / 60Hz, 3.5 amp.
- Input fuse rated @ 3.5 amp/250V.
- Fire Alarm Panel or Access Control System trigger inputs. N.O. or N.C. supervised trigger input and polarity reversal trigger input.

Output:

- 12VDC or 24VDC selectable outputs.
- 2.5 amp supply current.
- Burglar Alarm Applications:
12VDC = 10VDC-13.2VDC;
24VDC = 20VDC-26.4VDC.
- Five (5) PTC protected outputs, rated @ 2 amp.
- Output relay energizes when unit is triggered (form "C" contact rated 1 amp @ 28VDC).
- Filtered and electronically regulated output.
- Short circuit and thermal overload protection.

Battery Backup:

- Built-in charger for sealed lead acid or gel type batteries.
- Automatic switch over to stand-by battery when AC fails.
- Maximum charge current 0.7 amp.

Supervision:

- AC fail supervision (form "C" contacts).
 - Notification trigger is selectable for 30 seconds (factory set) or 6 hours.
- Low battery supervision (form "C" contacts).
- Battery presence supervision (form "C" contacts).
- Power fail supervision relay (form "C" contacts).

Visual Indicators:

- AC input and DC output LED indicators (power supply board).
- Red LEDs indicate condition of power outputs (multi-output board).
- Power and input trigger LEDs (multi-output board).

Electrical:

- Operating temperature: 0° C to 49° C ambient.
- BTU/Hr.:
 - 12VDC: 15.35 BTU/Hr.
 - 24VDC: 30.71 BTU/Hr.
- System AC input VA requirement: 402.5VA.

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.): 7.6 lbs. (3.45 kg).
- Shipping weight (approx.): 8.6 lbs. (3.9 kg).

Agency Approvals



UL Listed for Access Control Systems Units (UL 294).
UL Listed Standard for Power Supplies for Use with Burglar-Alarm System Units (UL 603).
UL Listed Hospital Signaling and Nurse Call Equipment (UL 1069).
UL Listed Standard for Safety for Fire Protective Signaling Systems (UL 1481).



CUL Listed - CSA Standard C22.2
No.205-M1983 Signal Equipment.



CSFM - California State Fire
Marshal Approved.



MEA - NYC Department of
Buildings Approved.

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

