



AL600ULM

### Overview

AL600ULM 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 it 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.
- 6 amp supply current.
- Five (5) PTC protected Class 2 Rated power-limited 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.

#### **Supervision (cont'd):**

- 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: 36.85 BTU/Hr.
  - 24VDC: 73.7 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.): 7.9 lbs. (3.58 kg).
- Shipping weight (approx.): 8.9 lbs. (4.04 kg).

### Agency Approvals



UL 294 UL Listed for Access Control System Units.  
 UL 1481 UL Listed Standard for Safety for Fire Protective Signaling Systems.



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



CSFM - California State Fire Marshal Approved.



MEA - NYC Department of Buildings Approved.

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

