



AL400ULM

### **Overview**

AL400ULM 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 @ 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.
- 12VDC @ 4 amp or 24VDC @ 3 amp supply current.
- Burglar Alarm Applications:  
12VDC = 10VDC-13.2VDC;  
24VDC = 20VDC-26.4VDC.
- 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).
- 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 & input trigger LEDs (multi-output board).

#### ***Electrical:***

- Operating temperature: 0° C to 49° C ambient.
- BTU/Hr.:  
- 12VDC: 24.57 BTU/Hr.  
- 24VDC: 36.85 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)

