



AL175ULB

### **Overview**

AL175ULB is a power-limited power supply/charger that converts a 24VAC input into two (2) individual PTC protected 12VDC or 24VDC outputs (see specifications). It is intended for use in applications requiring UL Listing for Access Control (UL294) and applications requiring an interface with Fire Alarm Control Panels.

### **Specifications**

#### ***Input:***

- Input 24VAC/40VA.
- Access control trigger input.

#### ***Output:***

- 12VDC or 24VDC selectable outputs.
- 1.75 amp supply current.
- Two (2) Class 2 Rated power limited outputs.
  - Fail-Safe/Fail-Secure lock output (switched).
  - Auxiliary power output (unswitched).
- PTC protected outputs, rated @ 2.5 amp.
- Filtered and electronically regulated output.
- Short circuit and thermal overload protection.

#### ***Battery Backup:***

- Built-in charger for sealed lead acid or gel type batteries.

#### ***Battery Backup (cont'd):***

- Automatic switch over to stand-by battery when AC fails.
- Maximum charge current 0.4 amp.

#### ***Supervision:***

- AC fail supervision (form "C" contacts).
- Supervised Fire Alarm Disconnect (Latching w/reset or Non-Latching).

#### ***Visual Indicators:***

- AC input and DC output LED indicators.

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

- Operating temperature: 0° C to 49° C ambient.
- 10.75-21.5 BTU/Hr.
- System AC input VA requirement: 69VA.

#### ***Mechanical:***

- Product weight (approx.): 1.5 lbs. (0.68 kg.).
- Shipping weight (approx.): 1.9 lbs. (0.86 kg.).

### **Agency Approvals**



UL Recognized component for Access Control System Units (UL 294).

#### **Board Dimensions (L x W x H) (approximate):**

5.8" (147.32mm) x 3.0" (76.2mm) x 1.5" (44.87mm)

