

# AL175ULB

## Switching Power Supply/Charger Board

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



AL175ULB

### Specifications

#### Input

Voltage	24VAC/40VA. Class 2 transformer
Trigger	Access control trigger input

#### Outputs

Two (2) Class 2 Rated power-limited outputs	
- Fail-Safe/Fail-Secure lock output (switched)	
- Auxiliary power output (unswitched)	
Voltage	12VDC or 24VDC selectable
Current	12VDC @ 1.75A or 24VDC @ 0.9A continuous max
Other	Short circuit and thermal overload protection

#### Battery Charging

Type	Sealed lead acid or gel type
Failover	Upon AC loss, instantaneous
Batteries are sold separately	

#### Fire Alarm Disconnect

Supervised	Latching or non-latching
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#### Supervision

AC Failure	Form "C" contacts
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#### Indicators (LED)

Input	Input voltage is present
DC Output	Powered

#### Agency Listings

UL294	Access Control
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#### Physical and Environmental

##### Dimensions (L x W x H)

Board:	5.8" x 3.0" x 1.5" (147.3mm x 76.2mm x 38.1mm)
Shipping:	8" x 6" x 5" (203.2mm x 152.4mm x 127mm)

##### Weight (approx.)

Product Weight:	0.35 lb. (0.16 kg)
Shipping Weight:	0.5 lb. (0.23 kg)

##### Temperature

Operating:	0°C to 49°C (32°F to 120°F)
Storage:	- 20°C to 70°C (- 4°F to 158°F)

##### Relative Humidity

85% +/- 5%

##### BTU/Hr (approx.):

11 BTU/Hr.

#### Lifetime Warranty

**AL175ULB**

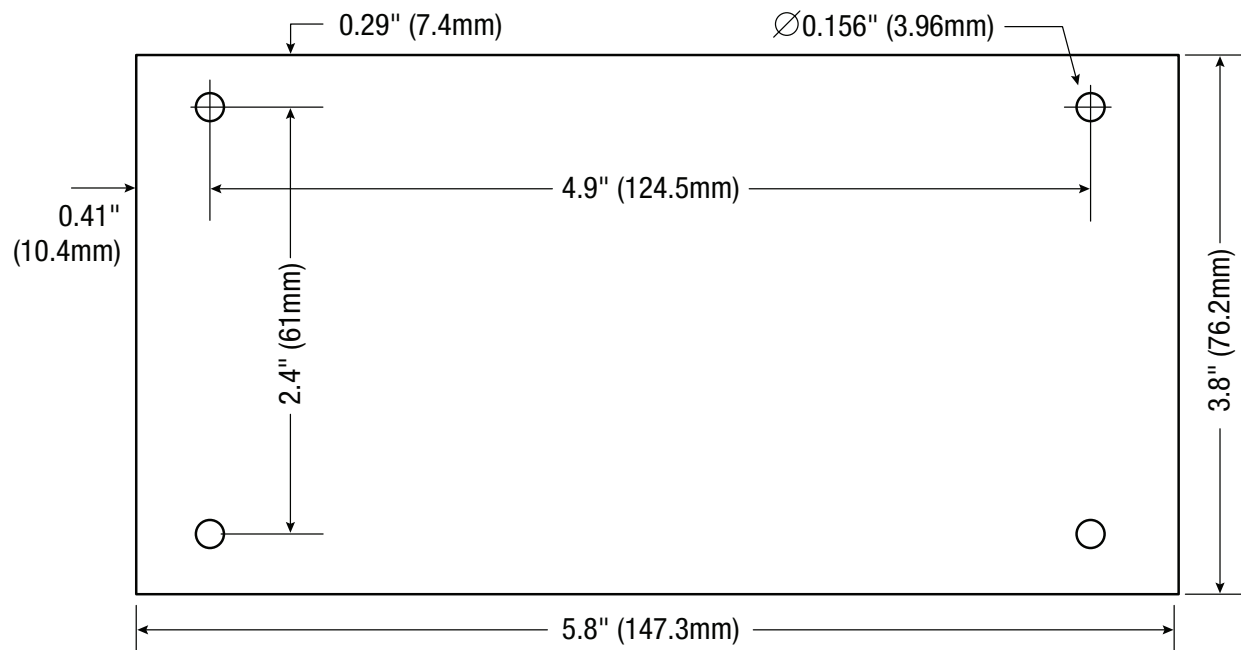
Switching Power Supply/Charger Board

**Dimensions and Drawing**

Board Dimensions (L x W x H approximate)

5.8" x 3.0" x 1.5" (147.3mm x 76.2mm x 38.1mm)

Mounting Holes' Tolerance: +/- 0.04 in. (1mm)

**Lifetime Warranty**

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