

# AL175ULB

## Switching Power Supply/Charger

### Description

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.



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### 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.

#### Back-up Battery *(not included)*

Type	Sealed lead acid or gel type.
Failover	Upon AC loss, instantaneous.

#### 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)	
5.8" x 3.0" x 1.5" (147.3mm x 76.2mm x 38.1mm).	
Product Weight	0.35 lbs. (0.16 kg).
Shipping Weight	0.5 lbs. (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.
Mounting hardware included.	

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### Board Dimensions (L x W x H) and Drawing

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

