

# AL175ULB

## Switching Power Supply/Charger

### Description

Altronix AL175ULB power-limited power supply/charger converts a 24VAC input into two (2) individual PTC protected 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

Access Control	UL294
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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.

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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)

