

## AL125UL Series Power Supply/Chargers

### Description

Altronix AL125UL Series power-limited Power Supply/Chargers convert 115VAC 50/60Hz input into two individually PTC protected 12VDC or 24VDC outputs (see specifications). They are intended for use in applications requiring UL Listing for Access Control (UL294) and applications requiring an interface with Fire Alarm Control Panels.



AL125UL

### Key Features

- Two (2) 12VDC or 24VDC Class 2 Rated Power-Limited Outputs.
- Built-in charger for sealed lead acid or gel type batteries.
- Instantaneous transfer to stand-by batteries.
- Short circuit and overload protection.
- AC input and unit status indicator on the front panel.
- Normally Open [NO] trigger input.
- Supervised Fire Alarm Disconnect (Latching with reset or Non-Latching).
- UL Listed in the U.S. and Canada.
- NFPA and MEA Approved.
- Lifetime Warranty / Made in the U.S.A.

### AL125UL Series Power Supply Configuration Reference Chart

Altronix Model Number	Input Rating	12VDC Max. Stand-By Load	12VDC Max. Alarm Load	24VDC Max. Stand-By Load	24VDC Max. Alarm Load	Stand-By Specifications (4 hr. of Stand-by and 5 min. of Alarm)		Accommodates Batteries
						12VDC or 24VDC 4AH Battery	12VDC or 24VDC 7AH Battery	
AL125UL	115VAC, 50/60Hz, 0.6A	1A	1A	1A	1A	0.5A / 1A	1A / 1A	One (1) 12VDC/7AH or two (2) 12VDC/4AH
AL125ULX								One (1) 12VDC/7AH or two (2) 12VDC/4AH
AL125ULP	24VAC, 40VA	1A	1A	0.5A	0.5A	0.5A / 1A	1A / 1A	Up to two (2) 12VDC/4AH
AL125ULE								Up to two (2) 12VDC/7AH

# AL125UL Series

## Power Supply/Chargers



### Specifications

#### Input

Voltage Varies, See Reference Chart.

#### Outputs

Voltage 12VDC or 24VDC selectable.  
Current 1A power-limited continuous max.  
Protection PTC.  
Other Filtered and regulated.

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

Capacity Varies, See Reference Chart.  
Type Sealed lead acid or gel type.  
Failover Upon AC loss, instantaneous.

#### Indicators (LED)

Input AC is present.  
Unit Status Normal / No Output / Loss of AC / Triggered.

#### Agency Listings

Access Control UL294  
CSA Standard C22.2 No.205-M1983,  
Signal Equipment.  
NYC Department of Buildings Approved

### Physical and Environmental

#### Dimensions (H x W x D) and Description

**AL125UL** (power supply, transformer, cam lock, and enclosure):

**AL125ULP** (power supply, 24VAC/40VA plug-in transformer, cam lock, and enclosure):

**AL125ULE** (power supply, cam lock, and enclosure):

8.5" x 7.5" x 3.5" (215.9mm x 190.5mm x 88.9mm).

**AL125ULX** (power supply, transformer, cam lock, and enclosure):

13.5" x 13" x 3.25" (342.9mm x 330.2mm x 82.55mm).

#### Product Weight / Shipping (approx.)

Model	Product Weight	Shipping Weight
AL125UL	5.1 lbs. (2.31 kg)	5.6 lbs. (2.54 kg)
AL125ULP	6.3 lbs. (2.86 kg)	6.8 lbs. (3.08 kg)
AL125ULE	3.3 lbs. (1.50 kg)	3.8 lbs. (1.72 kg)
AL125ULX	9.5 lbs. (4.31 kg)	10.4 lbs. (4.72 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.):

12VDC: 6 BTU/Hr.

24VDC: 6 or 12 BTU/Hr.