

AL125UL Series

Power Supply/Chargers

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

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

Lifetime Warranty



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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

Indicator (LED)

Unit Status Normal/No Output/Loss of AC/Triggered

Agency Listings

UL294 Access Control
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):

Enclosure:
8.5" x 7.5" x 3.5" (215.9mm x 190.5mm x 88.9mm)

Shipping:
13" x 10" x 7" (330.2mm x 254mm x 177.8mm)

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

Enclosure:
13.5" x 13" x 3.25" (342.9mm x 330.2mm x 82.6mm)

Shipping:
15" x 13.875" x 4.75" (381mm x 352.4mm x 120.6mm)

Enclosure accommodates up to two (2) 12VDC/7AH batteries

Weight (approx.)

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

Lifetime Warranty