

AL400ULX Series Power Supply/Chargers

Description

Altronix AL400ULX series power supply/chargers convert a 115VAC, 60Hz input into a single fused, four (4), eight (8) or sixteen (16) fuse or PTC protected outputs. Outputs are selectable for 12VDC with a total of 4A max. or 24VDC with a total of 3A max.



AL400ULPD8

Key Features

- Available with 1, 4, 8 or 16 outputs.
- Fused or PTC protected outputs.
- Supervision:
 - AC Fail
 - Battery Fail and Battery Presence.
- 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 DC output options.
- UL Listed in the U.S. and Canada.
- CSFM and MEA Approved.
- Lifetime Warranty / Made in the U.S.A.
- All units are available in grey or red enclosure*.

*AL400ULXJ's enclosure is red. For grey enclosure order model AL400ULXJG

AL400ULX Series Power Supply Configuration Reference Chart

| Altronix Model Number | 12VDC Total Output Rating (A) | 24VDC Total Output Rating (A) | Input Rating: 115VAC, 60Hz | Input Fuse Rating | Power Supply Output Fuse Rating | Power Distribution Module | Number of Outputs | Fused Output Ratings | PTC Auto-Resettable Outputs Ratings | Accommodates Batteries | | | | |
|-----------------------|-------------------------------|-------------------------------|----------------------------|-------------------|---------------------------------|---------------------------|-------------------|----------------------|-------------------------------------|------------------------|--|--|--------------|--------------|
| AL400ULX | 4A | 3A | 3.5A | 5A/250V | 15A/32V | N/A | 1 | 3.5A | – | Two (2) 7AH | | | | |
| AL400ULXX | | | | | | | | | | | | | Two (2) 12AH | |
| AL400ULXJ(G) | | | | | | | | | | | | | | Two (2) 18AH |
| AL400ULPD4 | | | | | | PD4UL | 4 | 3.5A | – | Two (2) 7AH | | | | |
| AL400ULPD4CB | | | | | | PD4ULCB | 4 | – | 2.5A | Two (2) 7AH | | | | |
| AL400ULPD8 | | | | | | PD8UL | 8 | 3.5A | – | Two (2) 7AH | | | | |
| AL400ULPD8CB | | | | | | PD8ULCB | 8 | – | 2.5A | Two (2) 7AH | | | | |
| AL400ULXPD16 | | | | | | Two (2) PD8UL | 16 | 3.5A | – | Two (2) 12AH | | | | |
| AL400ULXPD16CB | | | | | | Two (2) PD8ULCB | 16 | – | 2.5A | Two (2) 12AH | | | | |

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Specifications

Input

Voltage 115VAC, 60Hz, 3.5A max.
Fusing 5A / 250V.

Outputs

Voltage 12VDC or 24VDC selectable.
Current 4A @ 12VDC or 3A @ 24VDC continuous max.
Protection Fused 3.5A / PTC 2.5A.
Other Overvoltage protection.
Filtered and regulated.

Back-up Battery *(not included)*

Capacity 7AH / 12VDC (1 or 2 within enclosure).
12AH / 12VDC (requires larger "X" enclosure).
18AH / 12VDC (requires larger "J" enclosure).
40 AH / 65 AH (requires separate enclosure).
Type Sealed lead acid or gel type.
Fuse Rating 15A @ 32VDC.
Failover Upon AC loss, instantaneous.

Supervision

AC Failure Form "C" contacts.
Battery Form "C" contacts.

Indicators (LED)

Input 115VAC is present.
DC Output Powered.
Battery Discharged or not connected.

Agency Listings

All Models:

UL:
UL294 Access Control System Units.
UL603 Power Supplies for Use with Burglar-Alarms Systems.
UL 1069 UL Listed Hospital Signaling and Nurse Call Equipment.
UL1481 Power Supplies for Fire Protective Signaling Systems.

cUL:

CSA C22.2 No.205 Signal Equipment.

AL400ULX and AL400ULXX only:

CSFM California State Fire Marshall Approved.
MEA NYC Department of Buildings Approved.
FM Factory Mutual Approved.

Physical and Environmental

Dimensions (H x W x D)

AL400ULX, AL400ULPD4(CB), AL400ULPD8(CB):
13.5" x 13" x 3.25" (342.9mm x 330.2mm x 82.55mm).
AL400ULXX, AL400ULXPD16(CB):
15.5" x 12" x 4.5" (393.7mm x 304.8mm x 114.3mm).
AL400ULXJ:
18" x 14.5" x 4.625" (457.2mm x 368.3mm x 117.48mm).

Product / Shipping Weight (approx.)

| Model | Product Weight | Shipping Weight |
|------------------|---------------------|----------------------|
| AL400ULX | 6.95 lbs. (3.15 kg) | 8.75 lbs. (4.0 kg) |
| AL400ULXX | 8.55 lbs. (3.88 kg) | 10.85 lbs. (4.92 kg) |
| AL400ULXJ(G) | 11.5 lbs. (5.22 kg) | 13.7 lbs (6.21 kg) |
| AL400ULPD4(CB) | 7.1 lbs. (3.22 kg) | 8.9 lbs (4.04 kg) |
| AL400ULPD8(CB) | 7.2 lbs. (3.27 kg) | 9.0 lbs (4.08 kg) |
| AL400ULXPD16(CB) | 7.3 lbs. (3.31 kg) | 9.1 lbs (4.13 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: 25 BTU/Hr.
24VDC: 37 BTU/Hr.