

## 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           |

## AL400ULX Series Power Supply/Chargers



### 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.