

## AL1024NK8QP

### Networked Dual Voltage Power Supply/Charger

Ordering# AL1024NK8QP

Kit Contents: AL1024ULX with VR6 and LINQ8PD sub-assemblies

Altronix AL1024NK8QP sub-assembly kit converts a 115VAC 60Hz input into eight (8) fuse protected outputs. Outputs are individually selectable, providing 12VDC or 5VDC up to 6A and/or 24VDC up to 10A (240W total power) for access control panels, door locks, and ancillary devices. Unit also offers a suite of features that includes overvoltage protection, AC fail supervision, low battery supervision and battery presence supervision. Networkable power distribution module facilitates monitoring, reporting, and control of the supervised DC power supply/charger over the network. It reports diagnostics via Email and Windows Dashboard Alert notifications, greatly reducing system downtime and eliminating unnecessary service calls.



AL1024NK8QP

#### Key Features

- Unit provides 12VDC or 5VDC up to 6A and/or 24VDC up to 10A (240W total power)
- Short circuit and overvoltage protection
- 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
- Eight (8) fuse protected filtered and electronically regulated outputs
- Stackable sub-assemblies save valuable space
- Bi-colored LEDs provide visual verification of voltage on each output
- Built-in LINQ technology facilitates monitoring, reporting, and control of power supply/charger over the network
- Reports diagnostics via Email and Windows Dashboard Alert notifications, greatly reducing system downtime and eliminating unnecessary service calls
- Two (2) network controlled Form "C" relays
- Includes management interface software (USB flash drive) and interface cables
- CE European Conformity

#### Lifetime Warranty



# AL1024NK8QP

Networked Dual Voltage Power Supply/Charger

## Specifications

### Power Supply (AL1024ULXB2):

#### Input

Voltage	115VAC 60Hz, 4.2A max
Fusing	5A/250V

#### Outputs

Voltage	24VDC
Current	10A @ 24VDC continuous max.
Other	Overvoltage protection Filtered and regulated

### Battery Charging

Capacity	12AH/12VDC (2 within enclosure) 40AH/65AH (requires separate enclosure)
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Type	Sealed lead acid or gel type
Failover	Upon AC loss, instantaneous
Batteries are sold separately	

### Supervision

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

### Indicators (LED)

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

### Voltage Regulator (VR6):

#### Input

Voltage	24VDC from AL1024ULXB2
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#### Output

Voltage	12VDC
Current	6A continuous
Other	Surge suppression

### Indicators (LED)

Input	24VDC is present
Output	Powered

### Network Power Distribution Module (LINQ8PD):

#### Input

Voltage	24VDC from AL1024ULXB2 and 12VDC from VR6
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Input Fuses	15A/32V
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#### Outputs

Any of the eight (8) fuse protected power outputs are selectable to follow power Input 1 or Input 2

Individual outputs may be set to OFF position for servicing

#### Output Ratings:

Output Fuses:	3A/32V
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### Status Monitoring

Power Supply output voltage and load, Voltage and load of each output, FACP trigger and reset status, Unit temperature (Celsius), Power Supply AC and Battery status, Battery health

### Reporting:

Windows Dashboard Alert messages  
E-mail notifications, Event Log tracks history

### Indicators (LED)

Bat Local	Charging current status
FACP	Triggered / Released
Input	Input signal
Out1 - Out8	Output status

### Agency Listings

CE	European Conformity
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### Physical and Environmental

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

Enclosure: 15.5" x 12" x 4.5" (393.7mm x 304.8mm x 114.3mm)

Shipping: 16.5" x 13.5" x 6" (419.1mm x 342.9mm x 152.5mm)

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

#### Weight (approx.)

Product:	9.4 lb. (4.26 kg)
Shipping:	10.5 lb. (4.76 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.): 123 BTU/Hr.

## Lifetime Warranty

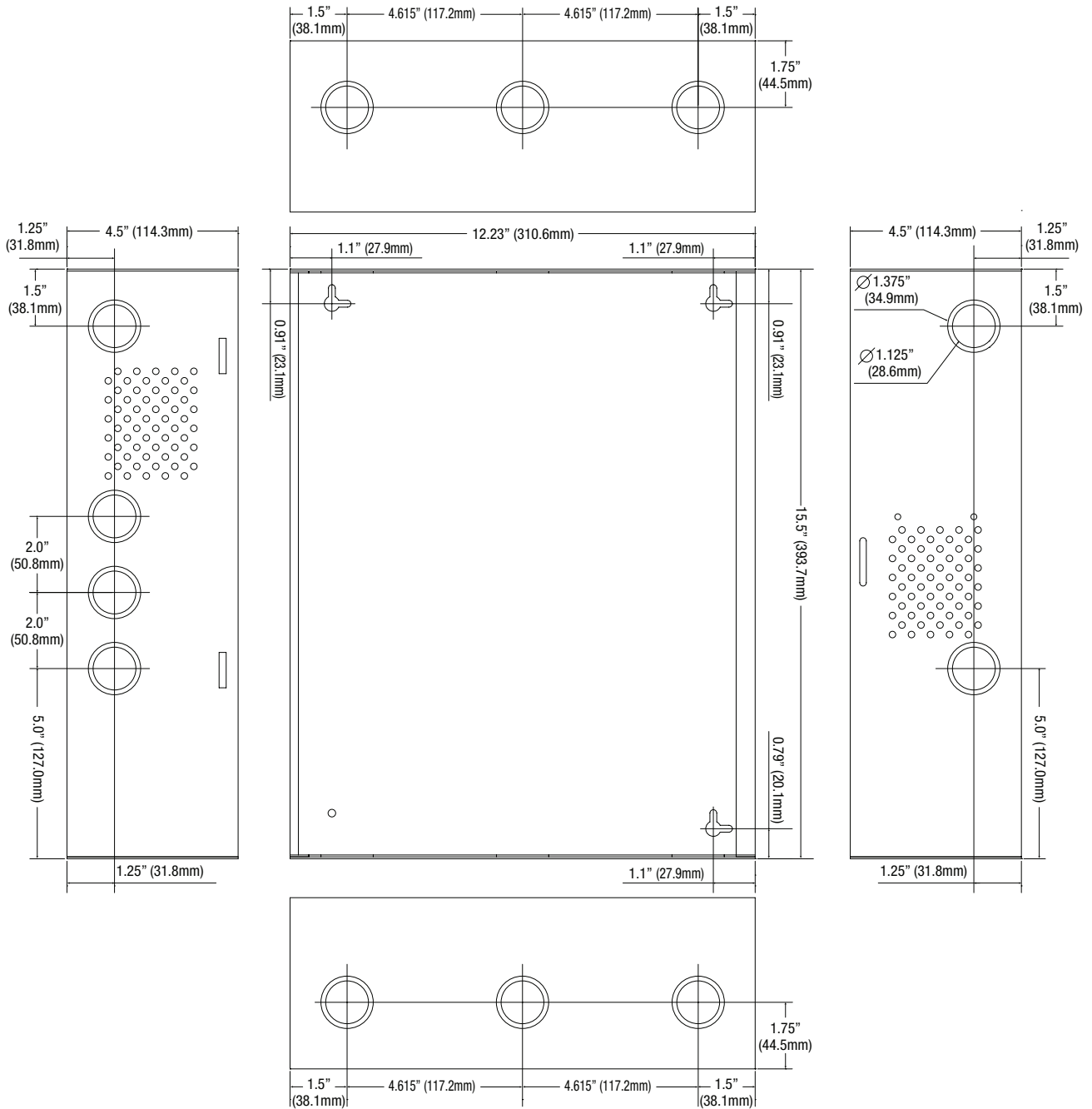
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## Dimensions and Drawing

Dimensions (H x W x D approximate)

15.5" x 12" x 4.5" (393.7mm x 304.8mm x 114.3mm)



### Lifetime Warranty

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