

AL1024NK8DQP

Networked Dual Voltage Power Supply/Charger

Ordering# AL1024NK8DQP

Kit Contents: AL1024ULX with VR6 and LINQ8PDCB sub-assemblies

Altronix AL1024NK8DQP sub-assembly kit converts a 115VAC 60Hz input into eight (8) PTC 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.



AL1024NK8DQP

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) PTC 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



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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)

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

Output

Voltage 12VDC
Current 6A continuous
Other Surge suppression

Indicators (LED)

Input 24VDC is present
Output Powered

Network Power Distribution Module (LINQ8PDCB):

Input

Voltage 24VDC from AL1024ULXB2 and
12VDC from VR6

Input PTCs 9A

Outputs

Any of the eight (8) PTC 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 PTCs: 2.5A

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

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.

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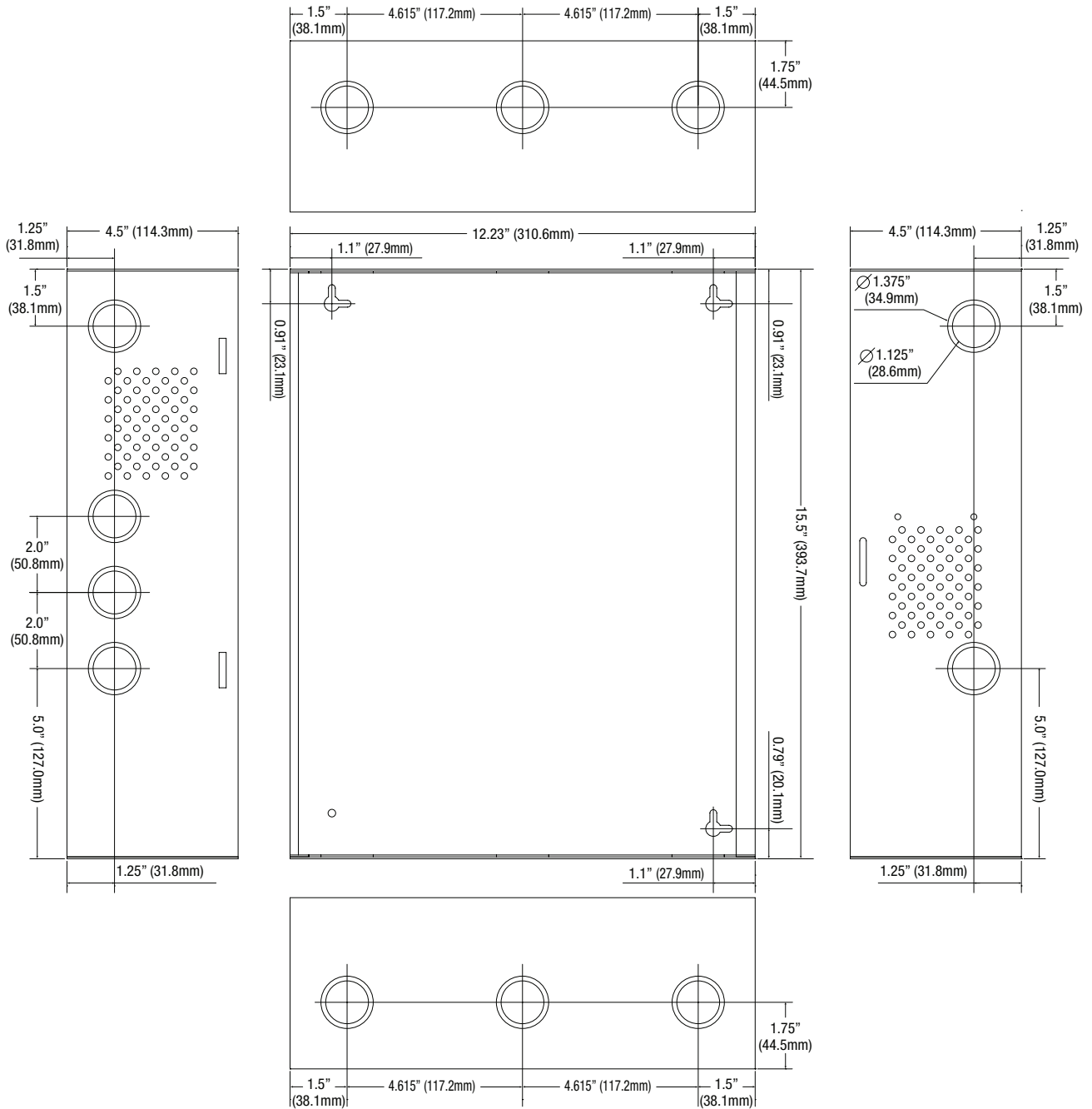
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Dimensions and Drawing

Dimensions (H x W x D approximate)

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



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