

AL1024NK8D

Dual Output Power Supply/Charger

Ordering# AL1024NK8D

Kit Contents: AL1024ULX with VR6 and PDS8CB UL Listed sub-assemblies

Altronix AL1024NK8D sub-assembly kit converts a 115VAC 60Hz input into eight (8) PTC protected 12VDC or 24VDC outputs with a total of 10A max. Dual input design allows power to be steered from two (2) factory installed independent low voltage 12 or 24VDC Altronix power supplies to eight (8) independently controlled PTC protected outputs.



AL1024NK8D

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
- Bi-colored LEDs provide visual verification of voltage on each output
- Stackable sub-assemblies save valuable space
- Built-in charger for sealed lead acid or gel type batteries
- Instantaneous transfer to stand-by batteries
- Eight (8) independently controlled outputs
- Filtered and electronically regulated outputs
- Short circuit and overload protection
- Kit contents are UL Listed sub-assemblies
- CE European Conformity

Lifetime Warranty

Altronix Corporation | 140 58th St | Brooklyn, NY 11220 USA

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Dual Output 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

Back-up Battery

Capacity	12AH/12VDC (2 within enclosure) 40 AH/65 AH (requires separate enclosure)
Type	Sealed lead acid or gel type
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

Dual Input Power Distribution Module (PDS8CB):

Input

Voltage	24VDC from AL1024ULXB2 and 12VDC from VR6
Input PTCs	9A

Outputs

Voltage	12 or 24VDC individually selectable 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 PTCs	2.5A

Indicators (LED)

Out1 - Out8	Bi-colored LEDs indicate 12 or 24VDC
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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

Agency Listings

AL1024ULXB2

Access Control	UL294
Burglar Alarm	UL603
Fire Alarm	UL1481
Signal Equipment	CSA C22.2 No.205-M1983

VR6

Access Control	UL294, ULC-S319
CE	European Conformity

PDS8

Access Control	UL294, ULC-S319
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

BTU/Hr. (approx.)	85% +/- 5%
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