Altronix®

AL1024ULXB2

Power Supply/Charger Board

Altronix AL1024ULXB2 UL Listed Sub-Assembly power supply/charger converts 115VAC, 60Hz input into a single 24VDC non power-limited output. It also offers a suite of features that includes AC fail supervision, battery presence, and low battery supervision.

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Specifications

Input

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

Output

Voltage	24VDC (UL 1481)
Current	8A continuous supply current with 10A supply current during alarm (UL 1481) 24VDC @ 10A (UL 294)
Other	Short circuit and thermal overload protection Filtered and regulated

Back-up Battery *(not included)*

Type	Sealed lead acid or gel type
Fuse Rating	15A/32V
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

UL:

UL294	Access Control System Units
UL 603	Burglar Alarm
UL1481	Power Supplies for Fire Protective Signaling Systems

cUL:

Signal Equipment CSA C22.2 No.205-M1983

Physical and Environmental

Dimensions (L x W x H)
Board: 8.3" x 4.5" x 1.9" (210.8mm x 114.4mm x 49.7mm)
Shipping: 10" x 8" x 4" (254mm x 203.2mm x 101.6mm)

Weight (approx.)
Product Weight:	1.15 lb. (0.52 kg)
Shipping Weight:	1.45 lb. (0.0.66 kg)

Temperature
Operating:	0ºC to 49ºC (32ºF to 120ºF)
Storage:	– 20ºC to 70ºC (– 4ºF to 158ºF)

Relative Humidity 85% +/– 5%

BTU/Hr (approx.) 123 BTU/Hr.

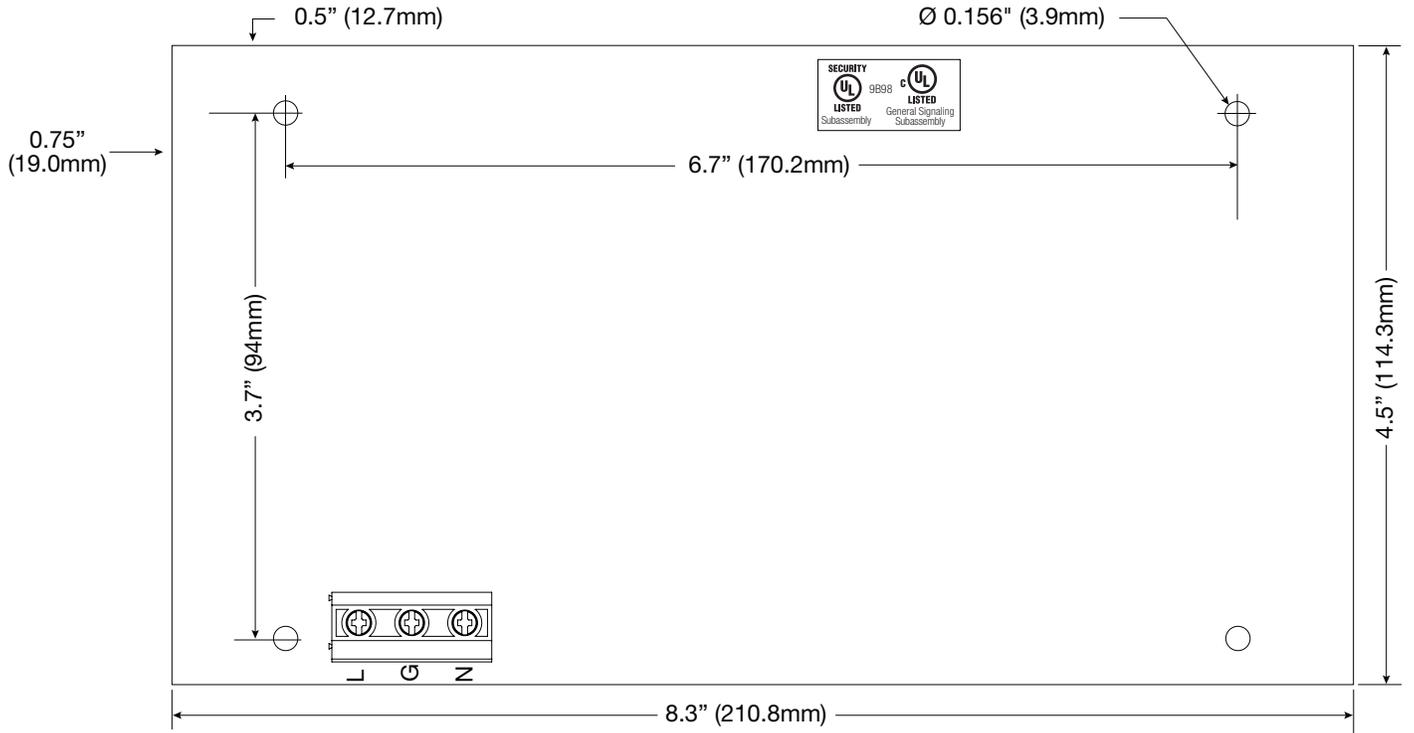Mounting hardware included

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Board Dimensions (L x W x H) and Drawing

8.3" x 4.5" x 1.9" (210.8mm x 114.4mm x 49.7mm)

Mounting Holes' Tolerance: +/- 0.04 in. (1mm)

0.5" (12.7mm)

Ø 0.156" (3.9mm)

0.75" (19.0mm)

6.7" (170.2mm)

SECURITY
UL LISTED 9B98
Subassembly
c UL LISTED
General Signaling Subassembly

3.7" (94mm)

4.5" (114.3mm)

L G N

8.3" (210.8mm)