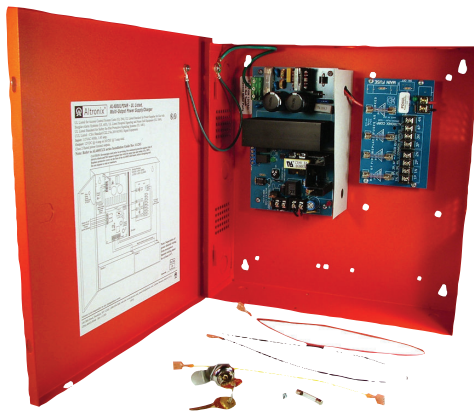


AL400UL-PD4R Fire Power Supply and Charger

www.boschsecurity.com



BOSCH
Invented for life



- ▶ Four fuse-protected, Class 2 Rated, power-limited outputs
- ▶ 12 VDC or 24 VDC selectable output
- ▶ Outputs are filtered and electronically regulated
- ▶ Main power input fuse rated at 3.5 A, 250 V
- ▶ Short circuit and thermal overload protection

The Altronix AL400UL-PD4R Fire Power Supply converts a 115 V, 60 Hz input to either 4 A of continuous supply current at 12 VDC or 3 A of continuous supply current at 24 VDC. The supply current is distributed through four fuse-protected, Class 2 Rated, power-limited outputs.

Certifications and approvals

Altronix Corporation holds these Listings and Approvals:

Region	Certification
USA	UL ALVY: Access Control System Units (ANSI/UL 294), APHV: Power Supplies, Burglar Alarm System (ANSI/UL 603), and UTRZ: Power-supply Units (UL 1481)

Installation/configuration notes

Battery Considerations

The power supply accommodates up to two 12 VDC, 7 Ah standby batteries and automatically switches to battery power if AC input power fails. When batteries

are not used, a loss of AC power results in a loss of output voltage. When batteries are used, they must be lead-acid or gel type.

Mounting Considerations

Mount indoors in areas protected from rain or moisture.

Wiring Considerations

Use 14 AWG (ISO 2.5 mm²) or larger wiring for all power connections (battery, DC output, AC input). Use 22 AWG to 18 AWG (ISO 0.34 mm² to 0.75 mm²) wiring for power limited connections (AC fail, low battery reporting).



Notice

Maintain a minimum of 0.25 inch (0.64 cm) spacing between power limited wiring and wiring that is not power limited (AC input, battery wires).

Parts included

Quant.	Component
1	Power supply in red enclosure
1	Hardware pack
1	Literature pack

Technical specifications**Electrical**

Current Draw (input):	1.45 A
Voltage (supply):	115 VAC, 60 Hz

Mechanical

Color:	Red
Dimensions (H x W x D):	13 in. X 13.5 in. x x 3.25 in. (33 cm x 34.3 cm x 8.3 cm)

Outputs

Battery Charging:	Maximum charge rate is 0.7 A
Number:	Four fused 12 VDC or 24 VDC selectable, power-limited

Ratings

Fuses:	3.5 A, 250 V
Power:	4 A at 12 VDC or 3 A at 24 VDC

Supervision

AC Fail:	Form C contacts rated for 1 A at 30 VDC. Relay normally energized when AC power is present. Fail condition report sent approximately 1 min after AC power loss.
Battery Presence:	Form C contacts rated for 1 A at 30 VDC. Relay normally energized when DC power is present. Fail condition report sent approximately 3 min after battery remains undetected.
Low Battery:	Form C contacts rated for 1 A at 30 VDC. Relay normally energized. Report sent when DC power drops to 10.5 VDC for 12 VDC setting or 21 VDC for 24 VDC setting.

Trademarks

All hardware and software product names used in this document are likely to be registered trademarks and must be treated accordingly.

Ordering information

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Converts a 115 V, 60 Hz input to either 4 A of continuous supply current at 12 VDC or 3 A of continuous supply current at 24 VDC
Order number **AL400UL-PD4R**

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