



ALARM SAF

PS2402UL-4 24 VDC, 2A, 4 Output Power Supply



The **PS2402UL-4** power supply/ battery charger system is a 24 VDC, 2 A power supply system with 4 class 2, power limited outputs.

Ideal for powering 2 door access control systems and related equipment, the system includes integrated Fire Alarm Interface (FAI) capability and allows for failsafe control of egress doors.

UL listed for access control including approval for interface to UL listed fire panels.

AGENCY LISTINGS

UL 294

CODE COMPLIANCE

NFPA 70 (NEC)

GENERAL SYSTEM FEATURES

- Efficient switchmode technology
- Low Voltage Class 2, Power Limited rating
- System monitored for presence and integrity
- Thermal Protection
- Over current protection
- Reverse battery protection
- Fault Reporting
- Visual status indicators
- Fire Alarm Interface for egress lock control
- Instant switchover to standby battery
- Minimal voltage drop on battery transfer
- Limited Lifetime warranty

POWER DISTRIBUTION FEATURES

- 4 individually fuse protected outputs
- Easily configurable for fail safe or fail secure operation

INSTALLATION/SERVICE FEATURES

- Pre-wired cable for easy field connection to Data Gathering Panel
- Pre-wired 120 VAC fuse disconnect
- Conveniently located cable tie mounts
- Tamper switch included
- Small cabinet for reduced wall space

APPLICATIONS

- Supports 2 door access control systems:
 - DSX
 - Software House
- Provides power for:
 - Locks
 - Readers
 - Door Strikes
 - REX Devices

PS2402UL-4

24 VDC, 2A, 4 Output Power Supply

SPECIFICATIONS

Input Specifications:

- Input voltage: 120 VAC
- Input Voltage Frequency: 60 Hz
- Input Current: 1 A max

Output Specifications:

- Output Voltage: 24 VDC
- Output Current: 2 A
- Current Draw in standby mode: 50mA
- Electronically regulated and filtered output

Fire Alarm Interface (FAI) Specifications:

- Failsafe
- Form 'C' relay contact rating: 24 VDC @ 5 A
- Activation current: 50 mA maximum
- Activated by normally closed relay contact switching to open upon alarm condition

Temperature Ratings:

- Operating Temperature : 0°C to 49°C
- Humidity : 93% @ 32°C maximum
- BTU Output: 112 BTU

Battery Charger Specifications:

- Battery Type: Sealed lead acid rechargeable
- Maximum Battery Charge Capacity: 14 Ah

Fault Detection:

- Loss of AC
- Loss of DC output
- Abnormally low DC/battery condition

Fault Reporting:

- Form 'A' relay contact ratings:
 - AC Fault: 24 VDC @ 2 A
 - DC Fault: 24 VDC @ 2 A

Visual Indicators:

- AC Presence: Green LED
- Fire Alarm Interface Activated (FAI): Red LED

POWER DISTRIBUTION SPECIFICATIONS

- 4 Class 2, power limited, 24 VDC Outputs:
 - Individually fuse protected
 - Individually programmable for continuous operation or disconnect on Fire Alarm
 - Fuse Rating: 1 A

MECHANICAL SPECIFICATIONS

Cabinet Features:

- Vented steel cabinet
- Key lockable
- Hinged Cover
- Tamper switch

Cabinet Dimensions:

- 12" L x 12" W x 4" D, approx. weight: 12 lbs
- Battery Space: 2 12V7Ah batteries

ORDER NUMBER	MODEL NUMBER	DESCRIPTION
97417	PS2402UL-4	24 VDC, 2A pwr sply system with 4 distributed outputs in a 12" x 12" x 4" cabinet
97425	PS2402UL-4-BD	Power Supply Replacement Board

