



**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

