



ALARM SAF

PS12404 Series 4 or 8 Door Access Control Power Supply System



The **PS12404-UL** is a dual voltage power supply system designed to provide lock, system, and auxiliary power to 4 or 8 door access control systems.

Isolated power supply outputs of 12 VDC, 4 A and 24 VDC, 4 A combine with power distribution outputs for both lock power and control and system or auxiliary equipment power.

The PS12404-UL is intended for use with Software House, Casi Rusco or other third party access control systems. The unique, intuitive design allows for clean, consistent field installations and reduced labor costs.

AGENCY LISTINGS

UL 294

CODE COMPLIANCE

NFPA 70 (NEC)

GENERAL SYSTEM FEATURES

- Efficient switchmode technology
- Two isolated power supply voltages in a single enclosure
- Low voltage Class 2, power limited outputs
- Thermal Protection
- Over current protection
- Reverse battery protection
- Fire Alarm Interface (FAI) connection for egress doors
- Configurable for fail safe or fail secure operation
- Fault detection and reporting
- Visual fault and status indication
- Limited Lifetime warranty

POWER DISTRIBUTION FEATURES

- 5 or 10 fused auxiliary outputs
- 4 or 8 24 VDC relay controlled, programmable outputs
- All outputs Class 2, power limited and individually fuse protected

INSTALLATION/SERVICE FEATURES

- Plug-in connectors between modules
- Pre-wired cable for easy field connection to Data Gathering Panel
- Pre-wired 120 VAC fuse disconnect
- Conveniently located cable tie mounts
- Removable steel back plate
- Tamper switch included
- Easily expandable

APPLICATIONS

- Supports 4 or 8 door access control systems:
 - Software House
 - Sensormatic
 - Casi Rusco
- Provides power for:
 - Locks
 - Readers
 - REX devices
 - Door Strikes

PS12404 Series

4 or 8 Door Access Control Power Supply System

SPECIFICATIONS

Input Specifications:

- Input voltage: 120 VAC
- Input Voltage Frequency: 60 Hz
- Input Current: 1.7 A

Output Specifications:

- Electronically regulated and filtered outputs

Output Voltage#1:

- Output Voltage: 12 VDC
- Output Current: 4 A
- Current draw in standby mode: 75 mA

Output Voltage #2:

- Output Voltage: 24 VDC
- Output Current: 4 A
- Current draw in standby mode: 75 mA

Fire Alarm Interface (FAI) Specifications:

- Failsafe operation: normally closed relay contact opens on alarm

Temperature Ratings:

- Operating Temperature : 0°C to 49°C
- Humidity : 93% @ 32°C maximum
- BTU Output: 140 BTU

Battery Charger Specifications:

- Battery Type: Sealed lead acid rechargeable
- Maximum Battery Charge Capacity: 34 Ah
- Maximum Battery Charge Current: .5 A
- Battery short circuit protection
- Automatic switch over to standby battery

Fault Detection:

- Loss of AC or Brownout
- Power Supply Output $\geq \pm 10\%$
- Over Temperature condition
- Low Battery Voltage
- Blown or AC Fuse

Fault Reporting:

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

Visual Indicators:

- DC Presence: Individual Red LED's for each voltage
- AC Presence: Green LED
- Fault condition: Yellow LED

POWER DISTRIBUTION SPECIFICATIONS

Auxiliary Outputs:

- 5 or 10 Class 2, power limited outputs
- Individually fuse protected:
 - Outputs 1 - 4 fused @ 1 A
 - Output 5 fused @ 2 A
- Configurable for 12 or 24 VDC
- Visual Status indicator for DC presence: Red LED

Relay Controlled Lock Outputs:

- 4 or 8 Class 2, power limited outputs
- Individually fuse protected @ 2 A
- Individually configurable for fail safe or fail secure
- Individually programmable for fire alarm disconnect
- Master Fire Alarm Lock Disconnect Relay:
 - Contact Output Rating: 10 A @ 30 VDC
 - Activation current: 55mA
 - Activation: Normally closed contact (open to activate)
- Positive trip from access control panel
- Visual Status Indicators:
 - Fire Relay Activated: Red LED
 - Lock control relay Activated: Red LED per output

MECHANICAL SPECIFICATIONS

Cabinet Features:

- Vented steel cabinet
- Key lockable
- Hinged Cover
- Tamper switch
- Concentric conduit knockouts
- Removable steel back plate

Cabinet Dimensions:

- 15" L x 18" W x 4" D, Approx. Weight: 30 lbs
- Battery Space: 4"H x 18"W x 4Ω"D

ORDER NUMBER	MODEL NUMBER
97423	PS12404-UL-45
97421	PS12404-UL-810
97424	PS12404-UL-BD
97444	RB24-UL-4P
97422	FB124-UL-5

