



**ALARM SAF**

## PS12408 Series 8 or 16 Door Access Control Power Supply System



The **PS12408-UL** is a dual voltage power supply system designed to provide lock, system, and auxiliary power to 8 or 16 door access control systems.

Isolated power supply outputs of 12 VDC, 8 A and 24 VDC, 8 A combine with power distribution outputs for system power, lock power and control and auxiliary equipment power.

The PS12408-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

- 10, 15 or 20 fused auxiliary outputs
- 8 or 12 or 16 24 VDC relay controlled, programmable outputs
- Available with Positive or Negative trip
- 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 8 or 16 door access control systems:
  - Software House
  - Sensormatic
  - Casi Rusco
- Provides power for:
  - Locks
  - Readers
  - REX devices
  - Door Strikes

# PS12408 Series

## 8 or 16 Door Access Control Power Supply System

### SPECIFICATIONS

#### Input Specifications:

- Input voltage: 120 VAC
- Input Voltage Frequency: 60 Hz
- Input Current: 3 A

#### Output Specifications:

- Electronically regulated and filtered outputs

#### Output Voltage#1:

- Output Voltage: 12 VDC
- Output Current: 8 A
- Current draw in standby mode: 75 mA

#### Output Voltage #2:

- Output Voltage: 24 VDC
- Output Current: 8 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: 116 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  $\pm$  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
- AC or DC Fault condition: Yellow LED

### POWER DISTRIBUTION SPECIFICATIONS

#### Auxiliary Outputs:

- 10, 15 or 20 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:

- 8, 12 or 16 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 or negative trip from access control panel (depending on model)
- 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
- Removable hinged cover
- 16 guage painted steel

#### Cabinet Dimensions:

- 28" H x 18" W x 5" D, Approx. Weight: 50 lbs
- Battery Space: 6.5"H x 18"W x 5"D

ORDER NUMBER	MODEL NUMBER	ORDER NUMBER	MODEL NUMBER
97426	PS12408-UL-810	97430	PS12408-UL-1620N
97431	PS12408-UL-810N	97432	PS12408-UL-BD
97427	PS12408-UL-1215	97444	RB24-UL-4P
97429	PS12408-UL-1215N	97420	RB24-UL-4N
97428	PS12408-UL-1620	97422	FB124-UL-5

