



## Rack Mount DC Power Supplies 12/24 VDC, 8/4 Amp, 8 Outputs



**AlarmSaf Rack Mount DC Power Supplies** fit standard IT equipment racks. They supply regulated and filtered main, standby or auxiliary power for Access Control, CCTV, Fire and Security systems integration applications. Models are available with fuse protected or power limited outputs and/or fire alarm interface capability if required.

These power supplies meet the latest industry specifications and requirements and are ideal for use in all commercial and government security installations including health care, retail, entertainment, transportation, industrial and educational facilities.

### AGENCY LISTINGS

UL/ANSI 2044, 294, 1481, 1076

ULC-S318, S527

CSA C22.2-No. 107.1-01

### CODE COMPLIANCE

NFPA 72, 731

CSFM

NY MEA

FCC Part 15, subpart B, class A

### FEATURES

- 12 or 24 VDC, user selectable
- 8 individually fused or Class 2, power limited outputs
- Fire Alarm Interface Capability on selected models
- Thermal protection
- Visual fault indication and reporting
- Overcurrent protection
- Battery presence supervision with optional disable
- Earth ground fault detection with optional disable
- Reverse battery protection
- Controlled current battery charging
- Illuminated master power switch with circuit breaker
- Input and output surge suppression
- Externally visible LED indicators per zone
- Standard, 2U EIA 19" rack mount chassis
- Removable face plate
- Removable terminal strips for field wiring
- Automotive blade fuses for improved reliability\*
- Spare fuses included\*
- Removable 3-wire grounded AC line cord
- Optional hardwire capability
- Limited lifetime warranty

### APPLICATIONS

#### CCTV:

- DC and/or IP Camera Power
- PTZ's / Domes
- Fiber Optic Transceivers
- IR Illuminators
- Video Processing Equipment

#### Access Control and Security:

- Readers
- System or Auxiliary Equipment Power
- Lock Power
- Fire Alarm Interface for emergency exit

#### Fire:

- System Power
- Auxiliary Equipment Power
- Elevator Recall
- Smoke Dampers & Detectors
- Door Holders
- Mass Notification Systems
- Fire Alarm Interface for emergency exit

\*Applies to models RMDC-1248F-UL and RMDC-PS5-M-8F-UL-FAI

# Rack Mount DC Power Supplies: 12/24 VDC, 8/4 A, 8 Output



## SPECIFICATIONS

### Input Specifications:

- Input voltage: 120 VAC
- Input voltage frequency: 50 or 60 Hz
- Input Current: 1.3 A maximum

### Output Specifications:

- Output voltage: 12 or 24 VDC, user selectable
- Output power:
  - 100 Watts total
  - 8 A @ 12 VDC
  - 4 A @ 24 VDC

### Power Distribution:

#### RMDC-1248F-UL

- 8 fused outputs

#### RMDC-PS5-M-8F-UL-FAI

- 8 fused outputs, individually selectable for FAI or continuous output

#### RMDC-1248-UL

- 8 Class 2, power limited outputs

#### RMDC-PS5-M-8-UL-FAI

- 8 Class 2, power limited outputs, individually selectable for FAI or continuous output

### Fuse Ratings

- Power distribution outputs: 3 A\*
- Battery: 15 A
- FAI main output: 10 A
- Full load ripple: 0.015V p-p typical, 0.04V p-p during battery charge
- Electronically regulated and filtered output

### Fire Alarm Interface (FAI) Specifications\*\*

- One main FAI output
- Control Input Voltage: 9 -33 VDC
- Control Input Current: 3.3 mA maximum
- Dry contact input
- Open collector input

### Temperature Ratings:

- Operating Temperature : 0° C to 49° C
- Humidity : 95% @ 32° C
- BTU/hr: 85 BTU maximum

### Battery Charger Specifications:

- Battery Type: Sealed lead acid rechargeable
- Maximum battery charge capacity 80 Ah in 48 hours
- Maximum battery charge current: 2 A
- Easily connects to AlarmSaf RMBE-1224-4B7 for battery back-up

### Fault Detection:

- Loss of AC or brownout
- Power supply output > ±10%
- Over temperature condition
- Low battery voltage
- Earth ground fault (user option)
- Blown battery or AC fuse
- No battery present (user option)

### Fault Reporting

- Form 'C' relay contacts
  - AC Fault: Contact rating, 28 VDC @ 1 A
  - Common Fault: Contact rating, 28 VDC @ 1 A

### External Visual Indicators:

- AC presence: Illuminated AC switch
- Zone output:s Green LED per zone

### Internal Visual Indicators:

- AC presence: Green LED
- AC fault: Yellow LED
- Common fault: Yellow LED
- Earth ground fault: Yellow LED
- FAI active: Red LED

## MECHANICAL

- 2U Rack mount chassis:
  - 3.25" H x 19" W x 10" D
- 16 gauge painted steel

| ORDER NUMBER | MODEL NUMBER         | DESCRIPTION                                                                                                   |
|--------------|----------------------|---------------------------------------------------------------------------------------------------------------|
| 03015        | RMDC-1248F-UL        | 12/24 VDC, 8/4 Amp, rack mount power supply, 8 fused outputs                                                  |
| 03017        | RMDC-1248-UL         | 12/24 VDC, 8/4 Amp, rack mount power supply, 8 class 2 power limited outputs                                  |
| 03022        | RMDC-PS5-M-8F-UL-FAI | 2/24 VDC, 8/4 AMP, rack mount power supply, 8 fused outputs, Fire Alarm Interface Capability                  |
| 03021        | RMDC-PS5-M-8-UL-FAI  | 12/24 VDC, 8/4 AMP, rack mount power supply, 8 Class 2 power limited outputs, Fire Alarm Interface Capability |
| 03027        | RMBE-1224-4B7        | Rack Mount Battery Enclosure with 4 12V7Ah batteries                                                          |
| 03013        | RM-UWB               | Universal wall mount bracket                                                                                  |

\*Applies to models RMDC-1248F-UL and RMDC-PS5-M-8F-UL-FAI

\*\* Applies to models RMDC-PS5-M-UL-8F-FAI and RMDC-PS5-M-UL-8-FAI



**ALARM SAF**

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