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

MEA Approved

52-377 1-6-11

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