![AlarmSaf logo]

Rack Mount DC Power Supply
Dual 12/24 VDC, 16/8 Amp

MEA
Approved   CSFM   c(ETL)us

![RM DC logo]

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

- Dual Power supply in a single Rack Mount enclosure
- 12 or 24 VDC, user selectable
- 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
- Standard, 2U EIA 19" rack mount chassis
- Removable face plate
- Removable terminal strips for field wiring
- Removable 3-wire grounded AC line cord
- Optional hardwire capability
- Limited lifetime warranty

APPLICATIONS

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

Access Control and Security:
- Readers
- Lock Power
- System Power
- Auxiliary Equipment Power

SPECIFICATIONS

Input Specifications:

- Input voltage: 120 VAC
- Input voltage frequency: 50 or 60 Hz
- Input Current: 2.5 A maximum

Output Specifications:

- Output voltage: 12 or 24 VDC, user selectable
- Output power:
  - 200 Watts total
  - Single Voltage Mode: 16A @ 12 VDC or 8A @ 24 VDC
  - Dual Voltage Mode: 8A @ 12 VDC and 4A @ 24 VDC
- Fuse Ratings
  - 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: 160 BTU maximum

Battery Charger Specifications:

- 2 independent charger outputs
- Battery Type: Sealed lead acid rechargeable
- Maximum battery charge capacity 80 Ah per charger
- 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

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
03019	RMDC-PS5-MD-UL	12/24 VDC, 16/8 Amp, dual rack mount power supply
03023	RMDC-PS5-MD-UL-FAI	12/24 VDC, 16/8 AMP, rack mount power supply, 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 model RMDC-PS5-MD-UL-FAI