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MEA
Approved



Description

AlarmSaf PS5-M DC Power Supplies supply regulated and filtered main, standby or auxiliary power to access control, fire, security and CCTV system components. They have been designed to meet the latest requirements in life safety systems integration and comply with changes to UL/ANSI specifications.

Features include 12 or 24 VDC user selectable, battery presence supervision with a disable option, controlled current battery charging with 48 hour charging capability of 80 Amp hours and separate reporting of AC and DC fault conditions.

Models are available with Fire Alarm Interface capability. Optional Power Distribution Modules are also available.

Features

- 12 or 24 VDC, user selectable
- Thermal Protection
- Visual Fault indication and reporting
- Over current protection

- Battery Presence Supervision with optional disable
- Earth Ground Fault detection with optional disable
- Reverse battery protection
- Controlled current Battery charging
- Input and output surge suppression
- High Surge Capability
- Fire Alarm Interface for emergency exit (selected models only)
- Limited Lifetime Warranty

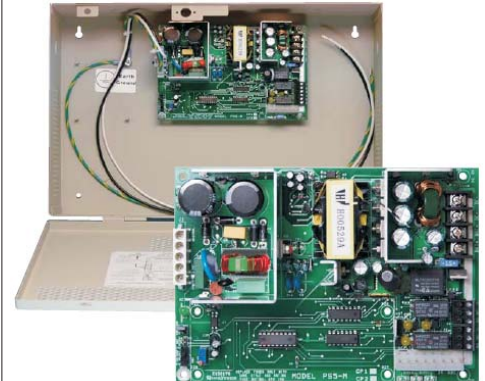
Installation/Service Features

- Tamper switch included
- Connector for primary AC input allows for safe disconnect
- Available in small cabinet for reduced wall space
- Lightweight

Applications

Fire System

- System Power
- Auxiliary Equipment
- Smoke Detectors
- Smoke Dampers
- Door Holders
- Elevator Recall
- Mass Notification Systems
- Fire Alarm Interface for emergency exit (selected models only)



Access Control & Security

- System Power
- Auxiliary Equipment Power
- Mag Locks
- Door Strikes
- Card Readers
- Proximity Readers
- Request to Exit Devices
- Fire Alarm Interface for emergency exit (selected models only)
- CCTV
- DC Camera Power
- IP Camera Power
- PTZ's / Domes
- Fiber Optic Transceivers
- IR Illuminators
- Video Processing Equipment

Ordering Information

Model Number	Part Number	Description
PS5-M-002-UL	PS5-M-002-UL	12/24 VDC, 8/4 Amp Power Supply in 12" x 12" x 4" cabinet
PS5M-003-UL	PS5M-003-UL	12/24 VDC, 8/4 Amp Power Supply in 11" x 15" x 4" cabinet
PS5-M-002-UL-FAI	PS5-M-002-UL-FAI	12/24 VDC, 8/4 Power Supply with Fire Alarm Interface in 12" x 12" x 4" cabinet
PS5M-003-UL-FAI	PS5M-003-UL-FAI	12/24 VDC, 8/4 Power Supply with Fire Alarm Interface in 11" x 15" x 4" cabinet
PS5-M-000-UL	PS5-M-000-UL	12/24 VDC, 8/4 A power supply replacement board



Specifications

Input Specifications:		Fault Detection:	
Input voltage:	120 VAC	Loss of AC or brownout	
Input voltage frequency:	50 or 60 Hz	Power supply output > ± 10%	
Input current:	1.3A maximum	Over temperature condition	
Output Specifications:		Low battery voltage	
Output voltage:	12 or 24 VDC, user selectable	Earth ground fault (user option)	
Output power:	100 Watts total	Blown battery or AC fuse	
	8 A @ 12 VDC	No battery present (user option)	
	4 A @ 24 VDC	Fault Reporting:	
Fuse Ratings:		Form 'C' relay contacts	
	Battery 15 A	FAI Main Output 10 A	AC Fault: Contact rating, 28 VDC @ 1A Common Fault: Contact rating, 28 VDC @ 1A
Full load ripple:	0.015V p-p typical, 0.04V p-p during battery charge		Visual Indicators:
		AC Presence:	Green LED
Electronically regulated and filtered output:		AC Fault:	Yellow LED
Fire Alarm Interface (FAI) Specifications*		Common Fault:	Yellow LED
One main FAI output:		Earth ground fault:	Yellow LED
Control Input Voltage:	9-33 VDC	FAI Active:	Red LED
Control Input Current:	3.3 mA maximum		
Dry contact input:		Mechanical Specifications	
Open collector input:		Cabinet Features:	
Temperature Ratings		Vented Steel Cabinet	
Operating Temperature:	0°C to 49°C	Key Lockable	
Humidity:	95% @ 32°C	Hinged Cover	
BTU/hr:	85 BTU maximum	PS5M-002-UL & PS5-M-002-UL-FAI:	
Battery Charger Specifications:		12"L x 12"W x 4"D, 10 Lbs	
Battery Type:	Sealed lead acid rechargeable	Battery Space: 2.7 Ah or 2 12 Ah batteries	
Maximum battery charge current capacity:	80 Ah in 48 hours	PS5-M-003-UL & PS5-m-003-UL-FAI:	
Maximum battery charge current:	2 A	11" L x 15"W x 4"D, 15 Lbs	
		Battery Space: 2.7 Ah or 2 17 Ah batteries	

*Applies to models PS5-M-002-UL-FAI and PS5-M-003-UL-FAI

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

NOTICE: The information contained in this document is intended only as a summary and is subject to change without notice. The devices described in this document have specific instruction sheets which cover various technical, limitation and liability information. Copies of these instruction sheets and the General Product Warning and Limitations Document, which also contains important information are provided with the product and are available from Harrington Signal Inc. Fire Alarm. Information contained in these documents should be consulted before specifying or using the product. For further information or assistance concerning particular problems contact Harrington Signal Inc. Harrington Signal Inc. Fire Alarm reserves the right to change specifications without notice. Quality manufactured by Alarm Saf for Harrington Signal Inc.