Rack Automation -

SVPMA -25A   Near Field Communication (NFC)

SVPMA-25A Rack Automation, the height of expert efficiency for controlling digital/smart podiums and audio/video equipment. The opening and closing of both new and old equipment is automated by this cutting-edge technology thanks to its seamless integration and **Near Field Communication (NFC)** technology.

With no need for manual actions, the SVPMA-25A seamlessly communicates with computer system and power distribution units to provide unparalleled ease. Making workflow streamlined by its user-friendly interface and sophisticated automation features.

Features

- **Automated Opening and Closing**: With a simple touch of a NFC card, automates the process of opening and closing computer systems and other equipment.
- **Shutdown Functionality**: In addition to equipment automation, also shuts down the computer system with a touch of a card. This comprehensive functionality ensures a streamlined shutdown process for the entire setup.
- **Log File Generation**: Generates log files in a secure and tamper-proof manner, safeguarding against unauthorized modifications. The log files are stored in the protected xlsx format, ensuring data integrity and providing a reliable record of equipment openings and closures for monitoring and auditing purposes.
- **Centralized Control**: By automating the shutdown process, effectively transforms the entire rack into a computer-enabled control system. No more manually turning off individual equipment such as switchers, amplifier, networking devices, displays, wireless/wired microphones etc. Enjoy the convenience of a unified shutdown with a single card touch.
- **User-Specific Card Issuance**: Different NFC cards can be issued to different individuals, each with a unique identification number printed on it. This feature enables personalized access and control, ensuring security and accountability within the organization.
- **Versatile Compatibility**: The same NFC cards can be used on different machines, making it organization-friendly. This allows for a standardized approach, where a single card becomes the key to accessing and controlling various equipment and computer systems.

- **Versatile Mounting Options**: The SVPMA-25A is designed to provide flexibility in installation. It comes with **Rack, Podium**, and wall mounting brackets, allowing to seamlessly integrate it into preferred setup. Choose the mounting option that best suits the environment.
- **Optimum Load Capacity**: Supports a continuous load of up to 16A. This ensures reliable and efficient power distribution to the equipment, even during demanding operations.
- **Enclosure**: Features a fan-less enclosure for silent operation and an IP65 rating for robust protection against dust and water and fire resistance.
- **24/7 Running Capability**: Designed for continuous operation, built to handle the demands of round-the-clock. Uninterrupted automation 24/7 and control without concerns about system overheating or performance degradation.
- **System Support**: Seamless compatibility with Windows-based operating systems, ensuring smooth integration and optimal performance.
- **Compatibility with Third-Party Systems**: Designed to seamlessly integrate with third-party systems and protocols. Interoperability with a wide range of AV equipment and control systems, enhancing the versatility and adaptability of the automation setup.
- **Intelligent Power Management**: Incorporates intelligent power management capabilities, optimizing power distribution to maximize energy efficiency. This feature reduces power consumption and minimizes operating costs.
- **Maintenance Free**: Designed without electromechanical devices, ensuring a long lifespan with minimal wear and tear. Experience reliability and longevity, reducing the need for frequent replacements and maintenance.
- **Plug & Play Operations**: The SVPMA-25A is a user-friendly, plug and play device that requires no prior installations or specialized training. Simply connect it to existing setup, and it is ready to automate equipment with ease. A seamless and hassle-free integration process, saving time and effort.
- **Package inclusions**: Includes 2 AC - 3 pin power cables, an installation guide, a micro-USB cable, 5 NFC cards, a wall hanging mount, and all required accessories for a hassle-free setup.

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Specifications

SVPMA -25A

Model No.	SVPMA - 25A
Processor	dual-core 32-bit LX6
Rated Input Voltage	90-245 Vac
Long-term Lifecycle	MTBF≥100,000 h
Insulation resistance	I/P-O/P>100M Ohms/500Vdc 25℃70%RH
Surge voltage protection	2700 Vrms
PIV	800, I2T : 450A2S for 9.6 mS
Flash Memory	32 KB
SRAM	2.5 KB
EEPROM	1 KB
Clock Speed	16 MHz
Transfer Speeds	up to 424 kbit/s.
FIFO buffer	64 byte
Power Indicators	Intensity: 2,000mcd avg, Red & Green
Sound Signal O/p	≥ 85 dB
Communication Protocol	UART
Control Interface	MIFARE Classic EV1 1K
Communication Frequency	13.56 MHz
Communication range (NFC)	≥ 2 cm
Supporting Operating Systems	Window Xp, 7/8, 10, 11
Power Rating	100 Vac - 240 Vac, 50-60Hz, 16A
Baud Rate	9600bps
Working Temperature	-25℃ - 60℃
Storage Temperature	-40℃ - +60℃
Power Consumption	<10W
Dimensions	175 mm (L) x 120 mm (W) x 35 mm (D)
Safety	CE, FCC, RoHS

By default, the system comes with 3 registered NFC cards. If additional NFC cards are required, please contact below mails
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