



MATRIX & CONVENTIONAL

Precision ROUTING Absolute CONTROL

- ▶ VOICE ALARM CONTROLLER
- ▶ MATRIX SYSTEM
- ▶ PAGING MICS
- ▶ BGM & EVAC PLAYERS
- ▶ EVAC / FIRE ALARM INTERFACE
- ▶ PRE-AMP MIXER & AMPLIFIERS
- ▶ AMP CHANGEOVER & LINE MONITORING
- ▶ ZONE SELECTORS & DECODERS
- ▶ POWER SUPPLIES & CHARGER



① INTRODUCTION

Amperes offers in-market systems to suit every installation, whether for budget-friendly or more advanced requirements. From simple PA setups to complex systems that comply with authority standards, we provide reliable solutions for clear and quality audio delivery. Because safety matters to all, our EVAC announcement systems are designed to broadcast critical messages promptly and efficiently through coordinated and controlled equipment.





SQ9815

8 Ch Sequential Power Switcher

The **SQ9815** is a 8-channel AC power sequencer designed to manage the startup and shutdown of sensitive audio and electronic equipment. By providing an orderly ON/OFF sequence—powering from mixers to amplifiers and reversing the process on shutdown—it effectively eliminates damaging "pops" and surges, significantly extending the lifespan of your system. Scalable for larger installations, it can be cascaded to manage up to 64 channels across 8 units.

Key Features

- 8-channels, rated at **6A per channel**, with total load of 15A
- **Line surge protection** included
- **Sequential ON/OFF switching** to prevent power surges
- **Lock mode** to prevent accidental switching
- Cascade 2 units for 16 channels, up to 8 units for **maximum of 64 channels**
- **Remote switching port** through an external noiseless contact
- AC output via IEC connectors with selectable channel isolation via DIP switch
- 2-minute delay-off option for Channel 8, ideal for video projectors

Packing Information

Carton size	555 (L) x 295 (W) x 95 (H) mm
Gross weight	3.80 kg
Qty/carton	1 unit per carton



Technical Specifications

Operating voltage	220 - 240V AC
Power consumption	50 mW (no load)
Output voltage	230 - 240V AC
Max load / channel	6A
Max total load	15A
Output connection	IEC female socket
Maximum cascade	Up to 8 units (64 channels)
Surge protection	L-N, L-E, N-E
Clamping voltage	870V AC
Turn on sequence	Step 1 to 8 (sequential)
Turn off sequence	Step 8 to 1 (reverse sequential)
Step timing	2 seconds
Delay off option	Channel 8 (via DIP switch)
Delay off timer	2 minutes
Switch lock	Via front panel switch
Indicators	AC mains, channel ON, lock status
Dimensions (W x H x D)	482 x 44 x 180 mm
Net weight	3.0 kg (excluding accessories)



PS9400

24V DC Regulated Power Supply

PS9400 is a rack-mounted 24V DC regulated power supply with automatic mains failure changeover. It switches to a 24V DC backup battery during power loss or unregulated power supplies, ensuring stable operation and protecting sensitive PA equipment.



Technical Specifications

Operating voltage	220 - 240V AC
Output voltage	24V DC \pm 1%
Rating	4A (nominal), 5.5A (maximum)
No load consumption	50 mW
Efficiency	83%
Indicators	AC mains, battery input, DC output
Protection	Built-in surge protection Short circuit protection Overload protection (105% - 150%) Overvoltage protection (115% - 135%)
Output DC protection	Fuse
Terminals	Barrier connectors for batt. input and load
Dimensions (W x H x D)	482 x 44 x 180 mm
Net weight	2.70 kg

Key Features

- Compact 24V DC, 4A switching power supply
- Supports a maximum output of 5.5A
- Automatic relay for battery backup changeover during AC mains failure
- Built-in surge protection, short circuit, overload and overvoltage

Packing Information

Carton size	555 (L) x 295 (W) x 95 (H) mm
Gross weight	3.35 kg
Qty/carton	1 unit per carton



24V DC Automatic Battery Charger



The **BC9740** is a microprocessor-controlled 24V DC, 4A battery charger specifically engineered for SLA batteries. It utilizes intelligent charging cycles to maximize battery longevity, supported by comprehensive protection against reverse polarity and surges.

For advanced system management, it features a real-time LCD display, RS485 data output, and seamless remote monitoring by Amperes PMX software through iPX5500 Comm Box.

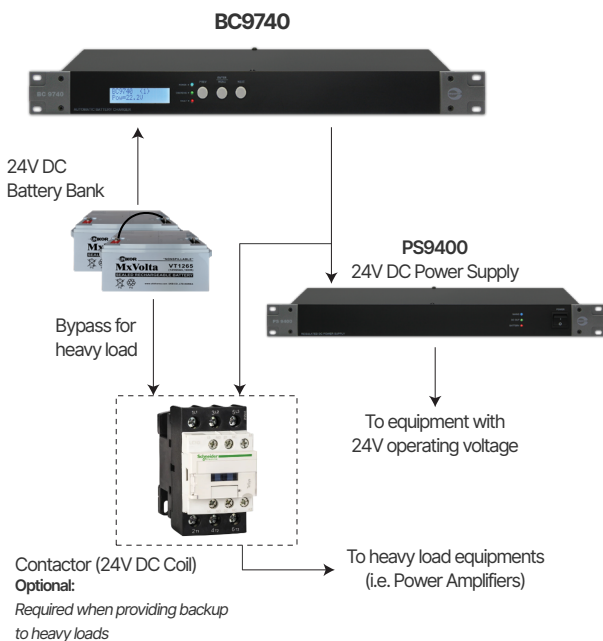
Key Features

- **4A constant voltage** charging with automatic current reduction
- Supports **24V battery banks** with stable DC voltage charging
- **Built-in surge and short circuit protection**
- **Thermal sensors** with automatic shutdown to prevent overheating
- **Low battery** disconnection alert to extend battery lifespan
- **Reverse polarity protection** to prevent battery damage
- RS485 port for **remote monitoring by Amperes PMX III / IV Software** via **Amperes iPX5500** Communication Box

Technical Specifications

Operating voltage	220 - 240V AC
Charging voltage	27.8V DC max
Charging current	4A (nominal), 5A (maximum)
Idle power consumption	1.3W
Protections	25A PCB fuse, with low battery auto-disconnect, reverse polarity protection, system idle disconnection, and short circuit protection
Indicators	AC mains, short circuit, low battery
Displays	Charging current Charging voltage Battery voltage Output current Battery reverse polarity
Communication	RS485 output <i>Compatible with Amperes PMX via Amperes iPX5500 interface for remote monitoring</i>
E/M backup amp rating	25A max (<i>external contactor / relay recommended if required</i>)
Terminals	Battery input, E/M load
Dimensions (W x H x D)	482 x 44 x 180 mm
Net weight	4.40 kg

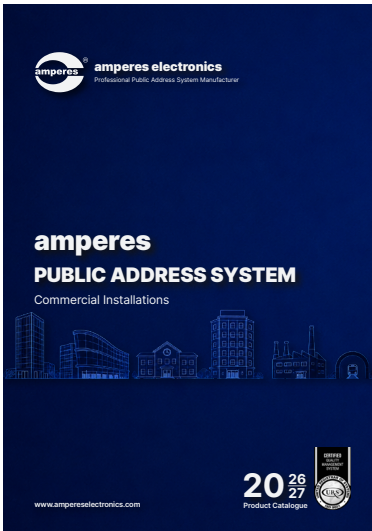
Application Schematic for BC9740



Packing Information

Carton size	555 (L) x 295 (W) x 95 (H) mm
Gross weight	5.20 kg
Qty/carton	1 unit per carton





2026/2027 Product Catalogue Public Address System

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