

Features

- 25W, 50W and 100W amplifier
- 25VRMS and 70VRMS audio power
- 8 Class A or 8 Class B speaker outputs
- P-Link device
- Single channel and dual channel amplifiers
- 120VAC or 240VAC with battery charger circuit
- Maximum of 31 amplifiers



Description

The SCA and DCA amplifiers are a new addition to the Potter proprietary P-Link device catalog. Potter offers seven variations of amplifiers with wattages up to 100W to support small, medium, and hi-rise applications. The amplifiers have the capability to distribute up to two audio channels simultaneously across multiple speaker zones. Each amplifier is supplied with a stacker terminal block to provide accommodations for 8 Class B or 8 Class A speaker outputs. The SCA and DCA amplifiers offer output power at 25VRMS and 70VRMS.

Up to 31 amplifiers can be linked to the IPA-4000V panel and offer up to 248 Class B or Class A speaker outputs.

The DCA-10025 (Dual Channel, 100W, 25VRMS Amplifier) may be programmed to provide an extraordinary 200W for single channel applications via Potter Fire Panel Programmer.

The 70V-1000 converter module will extend output power to 70VRMS on the DCA dual channel amplifiers. The BUA-1000 backup amplifier provides a failsafe solutions for potential lapse in service and compatible with the DCA dual channel amplifiers.

Technical Specifications

Standby Current	SCA-2525 - 58 mA SCA-2570 - 58 mA SCA-5025 - 58 mA SCA-5070 - 58 mA SCA-10070 - 60 mA DCA-5025 - 48 mA DCA-10025 - 48 mA
Alarm Current	SCA-2525 - 608 mA SCA-2570 - 608 mA SCA-5025 - 608 mA SCA-5070 - 608 mA SCA-10070 - 766 mA DCA-5025 - 520 mA DCA-10025 - 520 mA
Operating Temperature	0°C-49°C (32°F-120°F)
Operating Humidity Range	10%-93% @ 30°C (86°F) noncondensing humidity
Maximum P-Link Length	6500 ft.
Maximum V-Link Length	6500 ft.
Maximum Amplifiers	31
Size (WxHxD)	SCA Enclosures (WxHxD) - 16" x 17" x 3 7/8" DCA Enclosures (WxHxD) - 19" x 27 3/8" x 4 5/8"

Installation

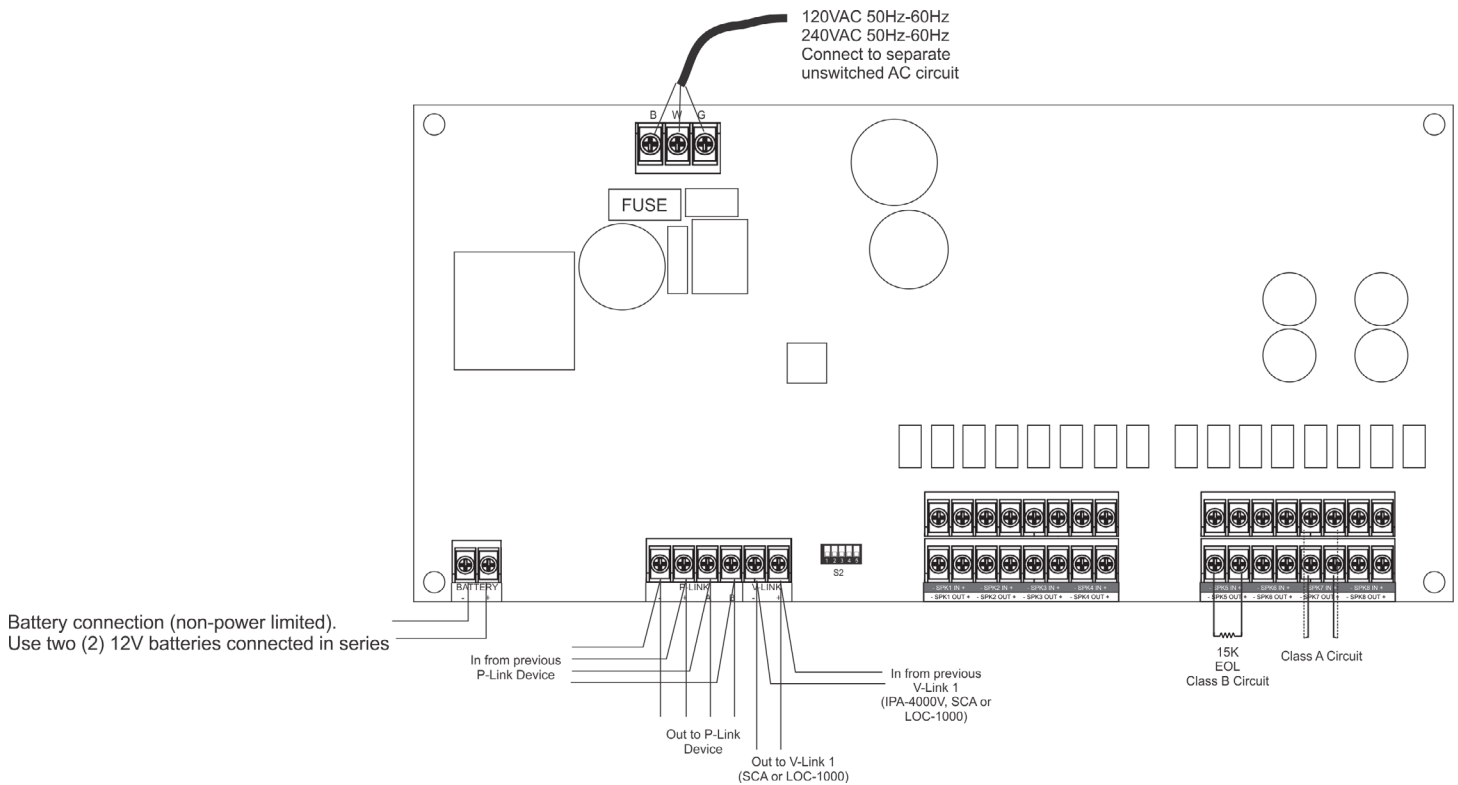
The SCA and DCA amplifiers communicate in conjunction with the IPA-4000V using a RS-485 connection via P-Link. The SCA amplifiers are equipped with one V-Link and the DCA amplifiers provide two V-Link to receive audio from the IPA-4000V.

Accessory List

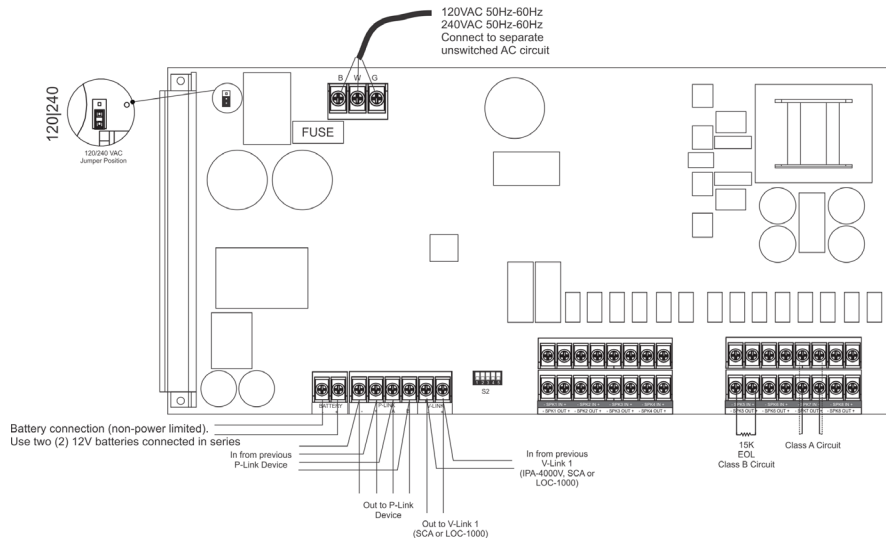
Model	Description	Accessories
SCA-2525	SINGLE CHANNEL 25W, 25V AMPLIFIER	None
SCA-2570	SINGLE CHANNEL 25W, 25V OR 70V SELECTABLE AMPLIFIER	None
SCA-5025	SINGLE CHANNEL 50W, 25V AMPLIFIER	None
SCA-5070	SINGLE CHANNEL 50W, 25V OR 70V SELECTABLE AMPLIFIER	None
SCA-10070	SINGLE CHANNEL 100W, 25V OR 70V SELECTABLE AMPLIFIER	None
DCA-5025	DUAL CHANNEL 50W, 25V AMPLIFIER	70V-1000 BUA-1000
DCA-10025	DUAL CHANNEL 100W, 25V AMPLIFIER	70V-1000 BUA-1000

Wiring Options

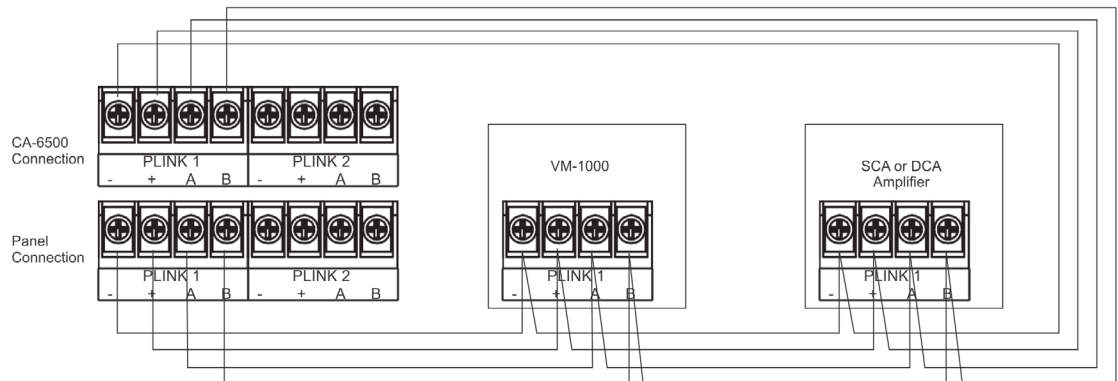
SCA-2525, SCA-2550, SCA-5025 and SCA-5070 Connections



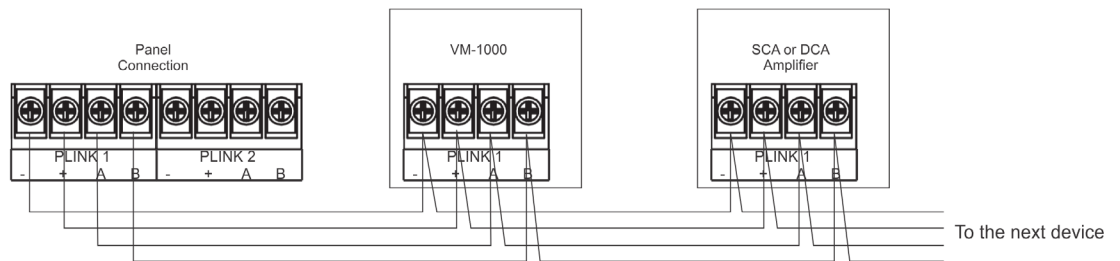
SCA-10070 Connections



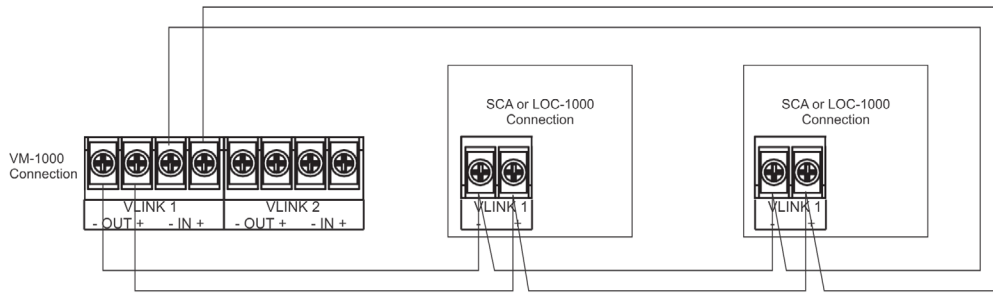
Class A P-Link Wiring



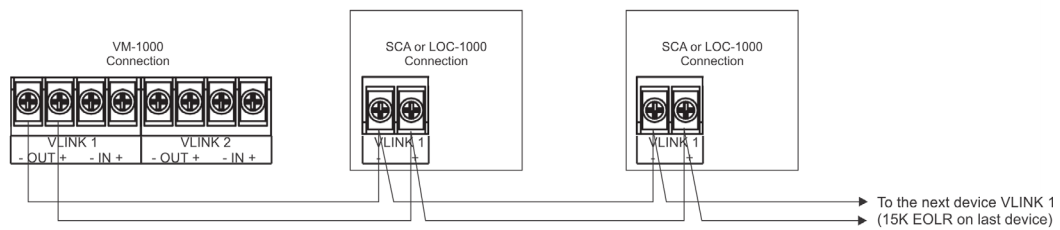
Class B P-Link Wiring



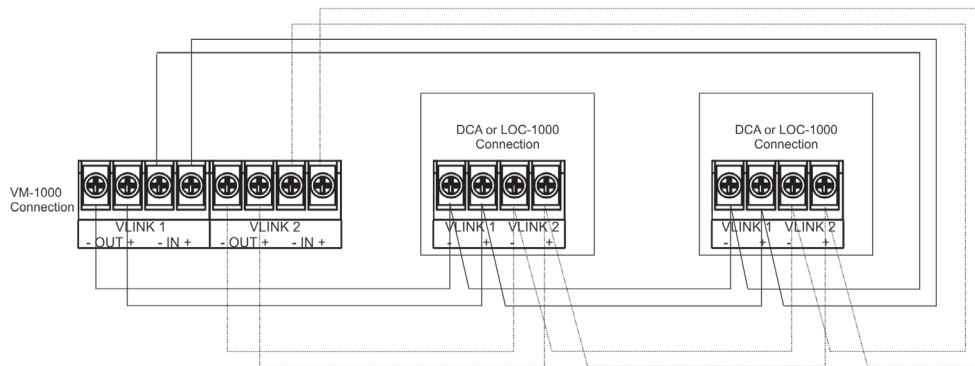
Class A V-Link 1 Wiring



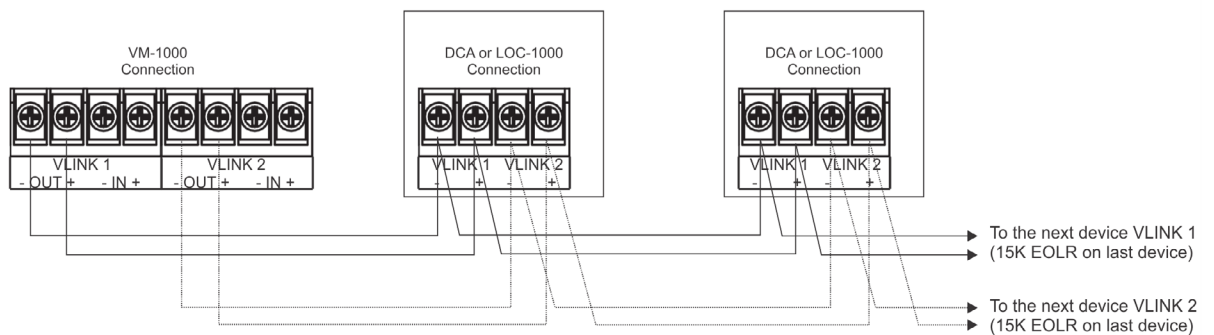
Class B V-Link 1 Wiring



Class A V-Link 1 and V-Link 2 Wiring



Class B V-Link 1 and V-Link 2 Wiring



Ordering Information

Model	Description	Stock No.
SCA-2525	SINGLE CHANNEL 25W, 25V AMPLIFIER	3520667
SCA-2570	SINGLE CHANNEL 25W, 25V OR 70V SELECTABLE AMPLIFIER	3520668
SCA-5025	SINGLE CHANNEL 50W, 25V AMPLIFIER	3520662
SCA-5070	SINGLE CHANNEL 50W, 25V OR 70V SELECTABLE AMPLIFIER	3520663
SCA-10070	SINGLE CHANNEL 100W, 25V OR 70V SELECTABLE AMPLIFIER	3520666
DCA-5025	DUAL CHANNEL 50W, 25V AMPLIFIER	3520659
DCA-10025	DUAL CHANNEL 100W, 25V AMPLIFIER	3520660