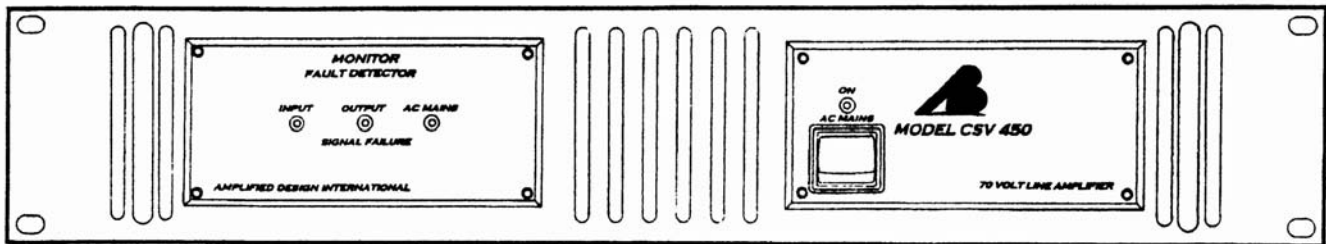




MODEL CSV 450 *CONTRACTOR SERIES*



The AMPLIFIED DESIGN INT'L model CSV450 is a mono 70.7-volt line amplifier requiring no 'external' 70.7-volt transformer. The 70.7-volt isolation output transformer mounted inside the chassis is capable of delivering 450 watts of power to the rear panel PHOENIX connector to drive 70.7-volt line speaker systems. Bandwidth of this amplifier / transformer combination is 26Hz to 18kHz +/- 1.0dB (< 1.2dB down at 20kHz) with no more than .1% distortion at rated power and bandwidth (typical .01%) making it suitable for quality music systems well beyond normal public address and background systems.

The amplifier stage preceding the internal 70.7-volt output transformer uses only 20dB of negative feedback to reduce forward distortion components to minimum levels.

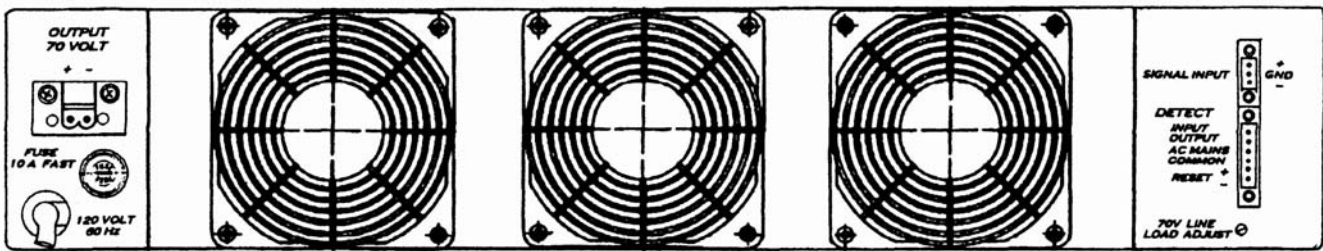
The CSV450 uses PHOENIX CONTACT™ terminal connections at the rear panel for balanced signal input and for external detection monitoring (central or remote location) of the following fault situations: loss of input signal, loss of output signal on the 70.7-volt line and loss of AC mains power source. Front panel warning LED's (red, green and yellow) give visual (local) indication any of these faults. A blue LED is used to indicate the amplifier is on.

The CSV450 utilizes 3 rear-mounted fans producing 126 cfm of airflow thru the heatsink, exhausting thru the front panel.

The CSV450 operates on 120vac, 50/60Hz mains power and occupies only two rack spaces (2U), 3.5in/ 8.89cm.

Contractor Series CSV 450

Specifications



Type:	One Channel	Output	
Gain:	32dB @ 1.5vrms input 36dB @ 1.0vrms input 38dB @ .775vrms input	Connectors:	PHOENIX CONTACT™
Power Output:	450 Watts @ 11 Ohms	Indicators:	(Front) Input signal loss, Output signal loss, AC mains loss (Fault) LED's and AC mains (power) LED. (Rear) Remote fault dry contact output thru PHOENIX connector.
Frequency Response:	26Hz-18kHz +/- 1.0dB (25Hz-20kHz +/- 1.2dB)	Power Requirement:	120vac 50/60Hz 10 amp
Distortion:	No more than .1% 30Hz-18kHz (.01% typical)	Cooling:	3x42 cfm rear mount fans
Hum & Noise:	-110dB	Dimensions:	3-1/2"H (8.89 cm), 19"W (48.3 cm), 15" (38.1 cm) behind panel, 16-3/8" (41.6 cm) overall
Input Sensitivity:	Selectable (.775,1.0,1.5vrms)	Weight:	41 lbs (18.53 kg)
Turn on Delay:	1 second		
Input Connectors:	PHOENIX CONTACT™		

Architect's and Engineer's Specifications

The mono amplifier shall be capable of meeting the following criteria: power output to 70.7-volt lines, 450 watts. The amplifier shall have rear panel terminal strip connections for balanced inputs and isolated transformer output. The amplifier shall have rear panel terminal strip connections for remote or central monitoring and detection of input signal loss, output 70.7-volt line loss, and AC mains power loss.

The amplifier shall have the following front panel controls and LED indicators: power rocker switch with blue "ON" LED, fault LED's for loss of input signal (green), loss of output signal (yellow) and loss of AC mains power (red) (to remain on for no less than 20 minutes after loss of power).

The amplifier shall be a 2-rack space (2U) instrument.

The amplifier shall be the Amplified Design Int'l model CSV 450.