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NILES AUDIO CORPORATION

ABC-1
SPEAKER/AMPLIFIER ABC SELECTOR
HOOKUP & OPERATING INSTRUCTIONS

INTRODUCTION

The ABC-1 is a wall-mount, high-power-handling A/B/C selector that can be used in two different ways. The first enables you to share a single amplifier to play into one of three pairs of loudspeakers. The second allows you to play one of three amplifiers into a shared pair of speakers. The ABC-1's interlocking pushbutton switches assure safe operation by allowing only one of the three positions to be engaged at any time. Amplifiers with a continuous power rating of up to 250 watts per channel may be used. The unit features isolated left and right channel grounds making it safe with any amplifier. The circuit board connectors can accommodate up to 14 gauge wire making the ABC-1 compatible with most "high definition" speaker cables. Self-cleaning silver-plated switch contacts assure many years of trouble-free use.

INSTALLATION CONSIDERATIONS

The ABC-1 is mounted on a Decora** style adapter blank and has been designed to use standard Decora style switch plates and mounting hardware. The unit extends 3" behind the sheetrock wall. For installation, you must choose between a standard light switch plaster ring (p-ring) or an extra deep (3.5") electrical box. Using the p-ring is best because it gives you unobstructed access to the full depth of the wall. In some instances, the use of a p-ring may be inappropriate, such as in a retro-fit (existing) installation, or when building codes require that wall devices be enclosed in electrical boxes. Contact your local building code and inspection department if unsure.

Installation Tip: If you are unable to readily obtain an extra deep plastic electrical box, simply use a hacksaw to cut off the back 1/2" of the box.

CONNECTIONS

Refer to figures 1 through 3 on the reverse side for details.

The insulation on each wire should be stripped 1/4" - no more - the ends twisted tightly together, then inserted into the appropriate hole on the circuit board connector block. Be certain the proper phasing is observed, that is, connecting positive terminals on the ABC-1 to positive terminals on the amplifier and speakers and negative terminals on the ABC-1 to negative terminals on the amplifier and speakers.

OPERATION

Operation is straightforward. Depending on the system configuration, simply press one of the three buttons to select one of three pairs of speakers or one of three amplifier sources.

**Decora® is a registered trademark of Leviton Manufacturing Co., Inc.

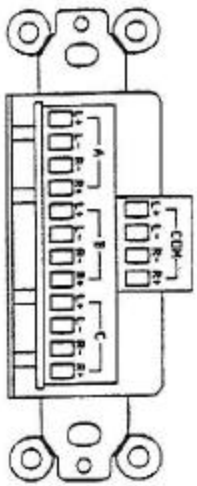


FIGURE 1

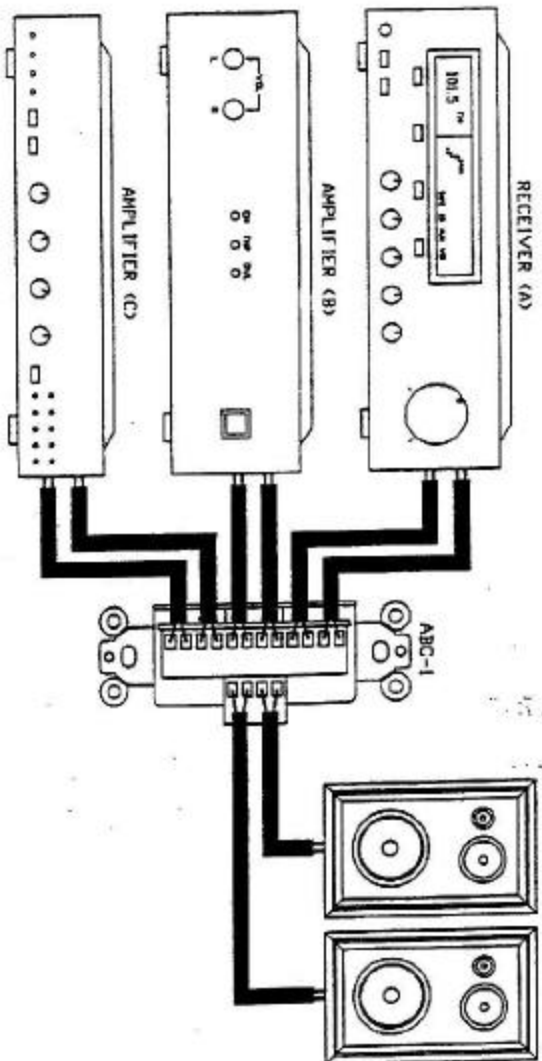


FIGURE 2

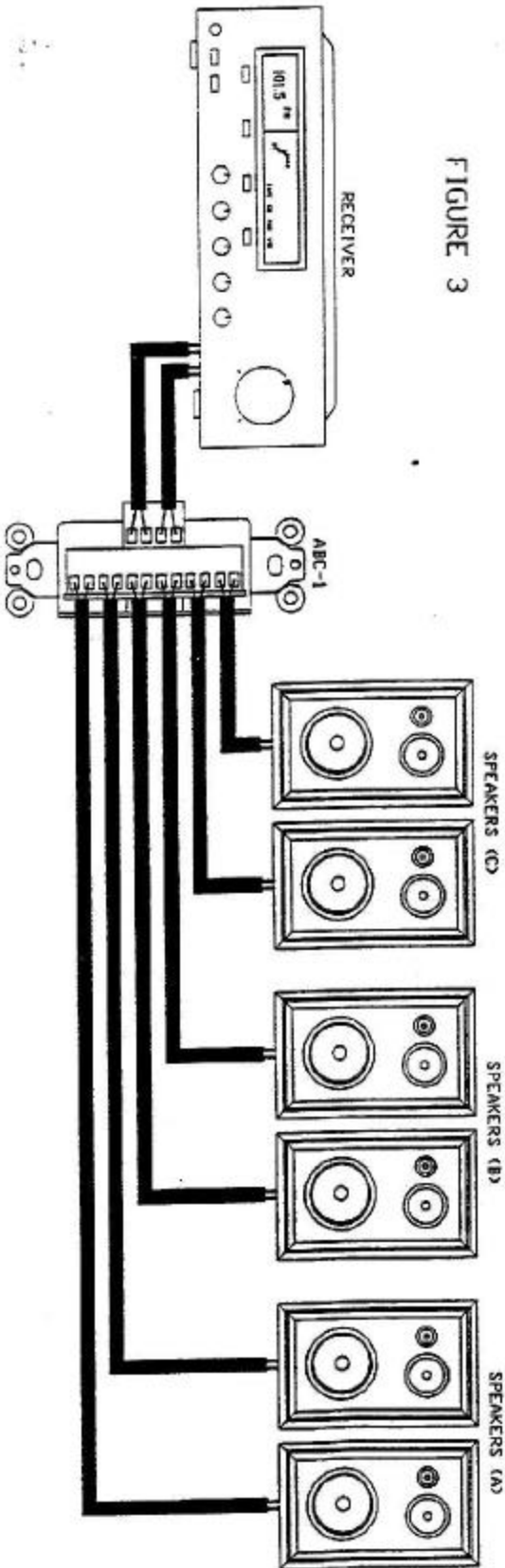


FIGURE 3