

Instructions for use of EDCOR “**Gold EE Attenuators**” EE series of products

The label on the transformer indicates the impedance's or line levels to be matched. An example would be a EE20-70-70 would be a 20 watt 70 volt line level input and a 70-volt line level output. A EE20-8-8 would be a 20 watt 8 ohm to 8-ohm attenuator. Since the EE is available in many configurations it is necessary you know the inputs and outputs.

The EE attenuator is designed to be mounted in a single gang electrical box. Most single gang boxes will work but make sure the EE will fit in the electrical box being used. The dimensional drawings are on the EDCOR Electronics Corporation web site (www.EDCORusa.com) as 15000-EI625-625-EEA for the 10 watt unit and 15000-EI625-087-EEA for the 20 watt unit. The input and output each have two ¼” male terminals to attach the input and the output. The ground and signal are well marked on the circuit board. Included are four female insulated crimp or solder connectors for ease of hook up. The electrical box must be dedicated and not used with electrical wires, as they will be the source of induced hum.

The EE series is a fully isolated transformer and not an autotransformer. This will assist you in installation by not grounding amplifier signal if hook-up is wrong. However, in most installations you will want correct phase relationships so it is always a good idea to correctly attach the ground and signal source.

Specifications are as noted on the catalog sheet.

It is important to note that the matching of impedance causes the signal to change voltage levels when passing through the transformer. When passing power (music/voice etc.) the most efficient match is when the speakers match the attenuator. Speakers come in many variations of impedance. i.e. 4 ohms, 6 ohms, 8 ohms, 16 ohms, 45 ohms etc. Match as close as possible for best performance.

When installing an attenuator using a 25, 70, 100 volt line system amplifier transformers would be the TA (gold series) and the speaker transformers would be the TS (gold series)

The attenuator has 10 positions. The full counterclockwise position is off and the following nine positions increase the sound volume by about 50%. Other attenuators use 3dB steps. This means the power is doubled with each step. We have chosen about a 50% increase in power with each step to offer a smoother increase in your listening pleasure

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