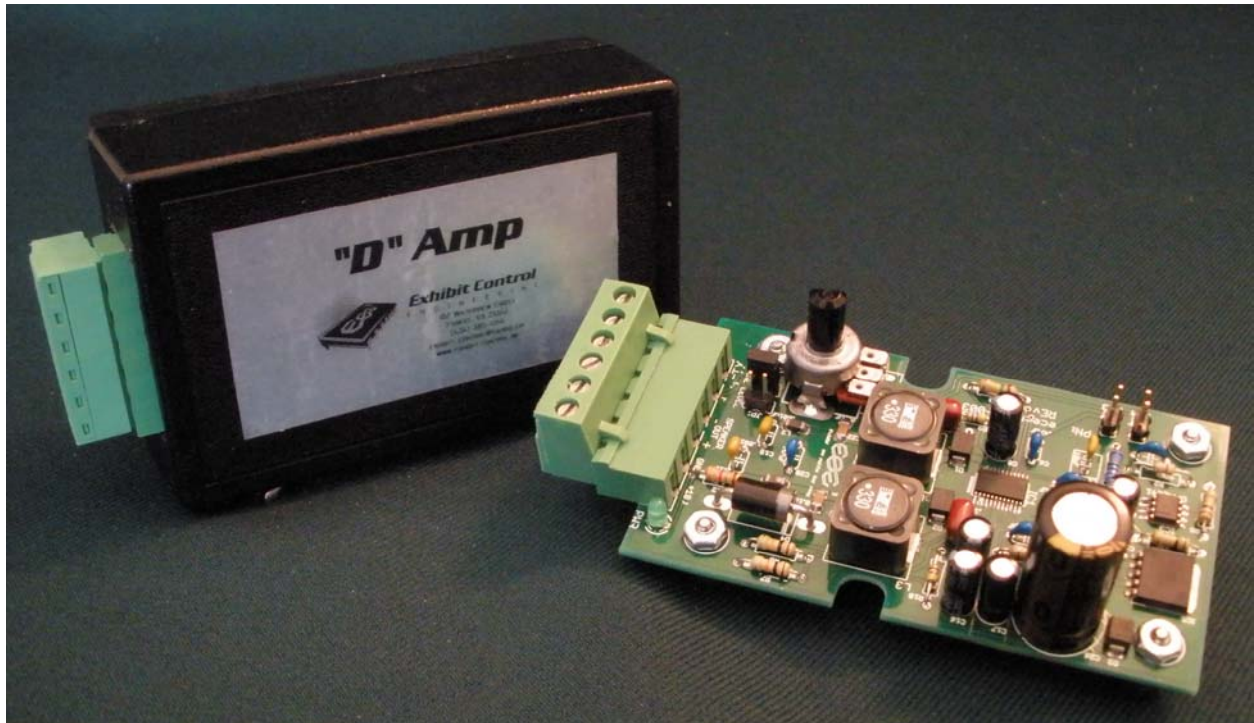


## ***“D” Amp***

**PN: ece-A-15-003, REV 0**

Class “D” Mono-Channel Audio Amplifier



**Figure 1**

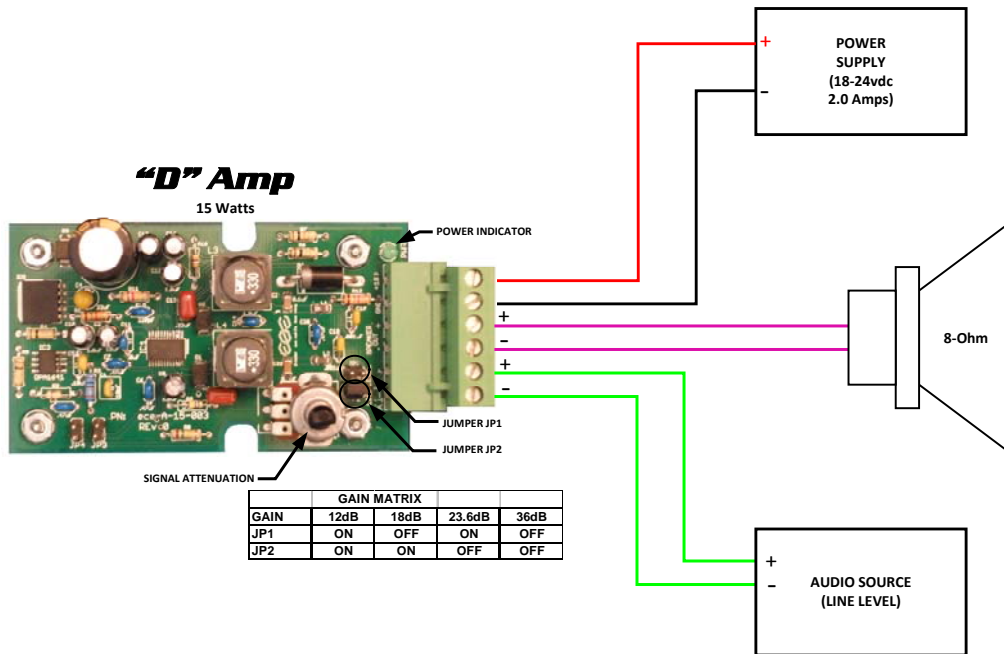
### **Technical Details:**

The “D” Amp was designed for those exhibits (or kiosks) that need a single channel of audio amplified up to 15 watts into an eight-ohm speaker. It could also be used to implement a powered speaker. The unit will drive a four-ohm speaker but the EMI inhibiting circuit was optimized for the eight-ohm speaker. The beauty of a Class “D” amplifier is that it is so efficient it does not generate any discernable levels of heat. Hence you will note the absence of any heat sink on the PCB. It can be purchased with or without the optional case. Units without a case will have screw terminals vice the Phoenix terminal/plugs.

The volume can be adjusted by using the combination of the on board potentiometer for attenuating the input signal and configuring the amplifier gain using two optional jumpers.

Fifteen watts may not seem much, but there is plenty of headroom to make a 25-watt speaker boom louder than needed for a local exhibit or kiosk. Enough so, it could be used for ambient audio in the ceiling.

See Figure 2 for a typical application:



**Figure 2**

**PRICING:**

Description	Single Unit	Qtys of 10+
"D" Amp w/case	\$85.00	\$70.00
"D" Amp w/o case	\$70.00	\$55.00

