

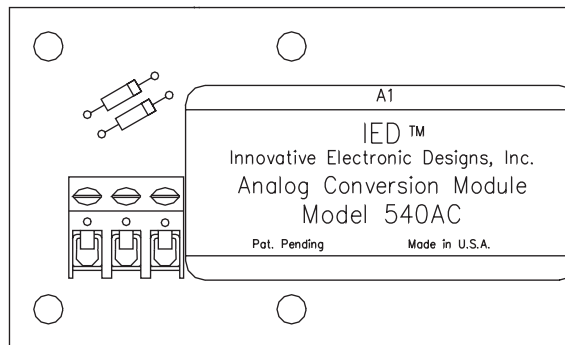
## IED MODEL 540S

### REMOTE SENSOR

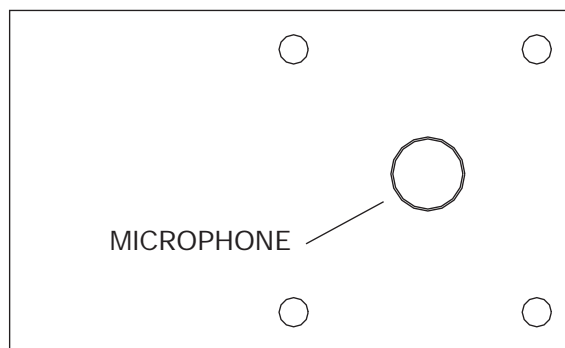
The IED Model 540S Remote Sensor is a component of the 540 Ambient Analysis System which is a subsystem of the 500 Series Audio Control System. The function of the 540S is to detect the ambient sound level (desired signal level plus undesired background level) in the areas to be controlled, to convert this level and to send this information back to the 540 Ambient Analysis System.

The 540S consists of an omnidirectional condenser microphone, a preamplifier, and an analog conversion module. The analog conversion module converts the audio signal to a varying DC waveform for use by the system. A drawing of the basic module is shown in figure 1. In addition to the basic module, three versions with other mounting schemes are available. They consist of the basic 540S on a 2-gang stainless steel plate, the 540S on a 4 inch speaker basket and the 540S on an 8 inch speaker basket.

» For installation instructions refer to Section 3, Group 20, Sub B, the installation instructions for the Model 540M Mainframe.



TOP VIEW



BOTTOM VIEW

Figure 1 - 540S Remote Sensor



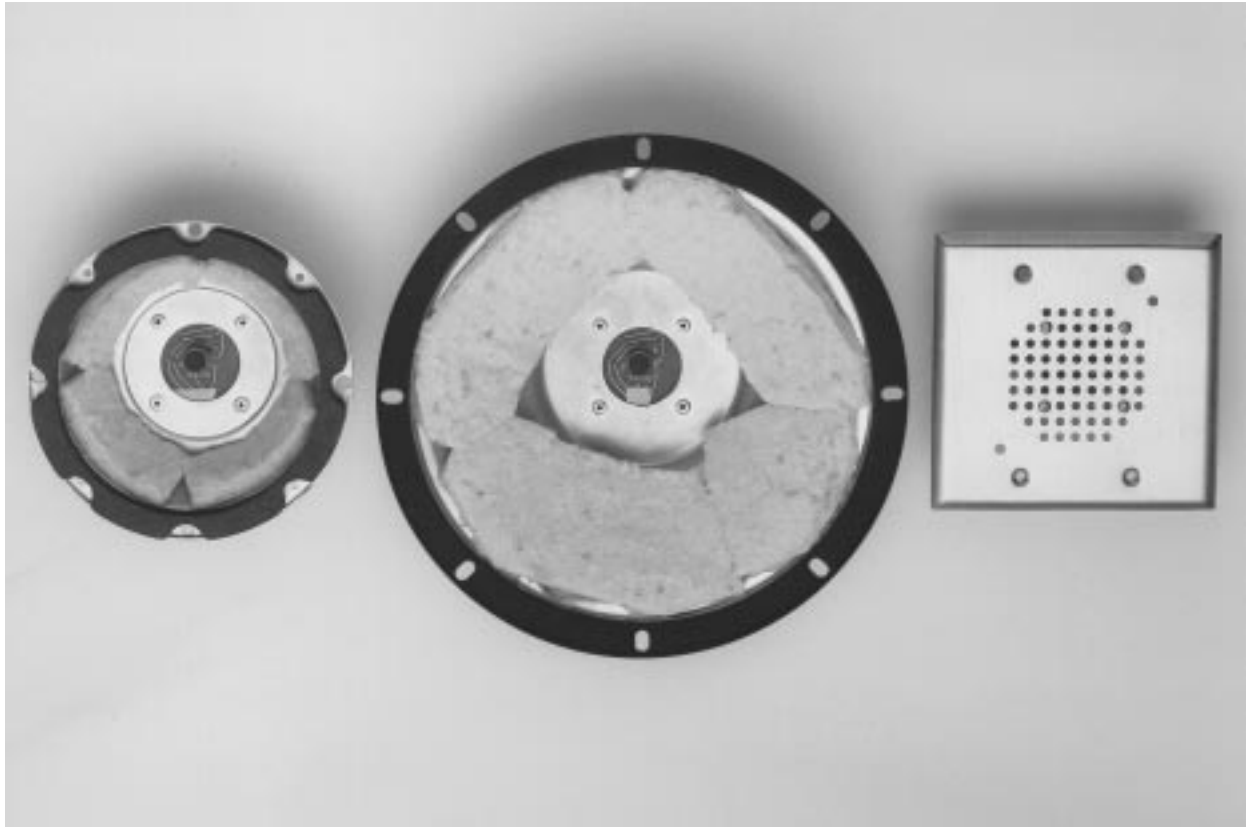


Figure 2 - 540S Mounting Versions. Left, 540S-4, 540S on a 4 inch speaker basket. Center, 540S-8, 540S on an 8 inch speaker basket. Right, 540S-2, 540S on a 2-gang stainless steel plate.

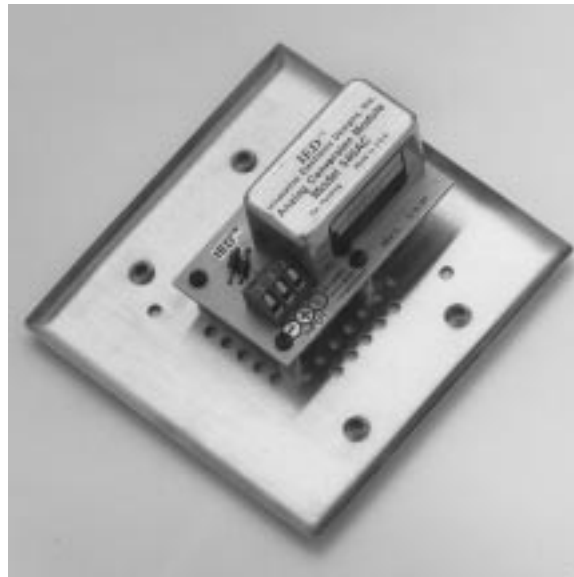


Figure 3 - 540S-2, Rear View

*Innovative Electronic Designs, Inc. • 9701 Taylorsville Road • Louisville, Kentucky 40299 • USA  
Phone: (502) 267-7436 • Fax: (502) 267-9070 • Internet: <http://www.iedaudio.com>*