

STENTOFON 1910 Ambient Noise Sensor System

Features

- Automatically adjusts level of page announcements
- Supports up to four microphones wired in parallel
- Shapes frequency response for maximum intelligibility in high noise areas.
- Wire run up to 2000 feet with no appreciable loss of signal



Description

The Ambient Noise Sensor system is designed to electronically adjust the level of a page announcement and/or background music in an area of building where ambient noise levels are continuously changing. The system ensures that page announcements and music are audible even during periods of high noise levels. When the signal is boosted, the frequency response is shaped so that speech articulation becomes more intelligible. The shaped frequency response also eliminates distortion in music reproduction.

The system continuously monitors the ambient noise level through the microphone module location in the subject area. The microphone module is connected to the control unit, which is located adjacent to the paging amplifier. The wire run between control unit and microphone module consists of two conductor AWG20 and can reach 2,000 feet with no appreciable loss of signal strength. The microphone module includes an adjustable mounting bracket for precise positioning.

Technical Specifications

Connectors & Terminals

ANS Audio In and Out:	3-point terminals strip and RCA jacks
Sensing Microphone:	2-point terminal strip
Power:	2-point terminal strip and power jack (center negative)

General

Automatic Level Range Gain:	0dB to 18dB
Monitor Reset:	5 or 10 seconds (default is 5 seconds)
In/Out Audio Impedance:	Balanced 600-ohms, unbalanced medium impedance
Power Source:	24V DC, 30mA from 120V AC
Operating Temp:	0 to 55° C
Dimensions:	4" D x 1 1/4" H x 5 3/4" W (control unit) 7/8" D x 2 1/8" H x 2" W (microphone)