

## **ANS04-ES**

### **IP65 Ambient Noise Sensor (Extended Temperature Range)**



The ANS04-ES is an IP65 rated sample and hold Ambient Noise Sensor which is designed to operate over temperatures from  $-40^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$ . The ANS04-ES will work with the whole range of ASL Public Address and Voice Alarm systems and with ASL's VIPA IP-based PA systems.

The purpose of an Ambient Noise Sensor (ANS) system is to adjust the level of public address announcements based on a measure of the ambient noise in the PA zone. This will maintain a set volume of public address audio above the ambient noise, in order to guarantee that the announcement is intelligible, yet at a comfortable level.

Each ASL Public Address or Voice Alarm system is able to support the connection of multiple ANS04-ES units. The ANS sensor detects ambient noise using its built-in microphone. The detected signal is weighted with a speech-band response for the best system performance, and is then translated to a value of measured ambient noise in dBA. This value is used to proportionally adjust the Public Address or Voice Alarm system output gain for the configured output channel or channels.

The system is set up for the maximum broadcast volume without the ANS sensor, and the ANS system then reduces the gain from this level when the zone is quiet.

