

AES Silence Detector System

Description

The AES silence detection system is based around silence detector cards, which have programmable fail level, time to fail and time to restore. The card also has an auto changeover to a backup AES source.

Features:

Inputs – Each channel has main and backup AES inputs, with optional sample rate converters.

Output – Single AES output, with synchronous switching from main to backup.

Time to Fail – On board selectable 1 to 16 seconds in 1 second intervals.

Fail Level – On board selectable -35dBFS, -50dBFS, -65dBFS or -80dBFS

Status Indicators – Front or remote panel LEDs show if main or backup source is routed to output. A visual and audible alarm is given if the source changes from main to backup.

System Configurations:

Multi channel systems can be built up in 3U, card frame with integral modular power supply, or 1U rackmount cases.

The system requires a master control/clock card and then up to 16 silence detector cards in a 3U card frame or 2 silence detector cards in the 1U case.

The 3U card frame has front panel status LEDs to show which input is routed to the output. When a channel 'fails' to the backup source an audible alarm is sounded with a front panel visual indication, a reset switch will cancel the alarm indication and buzzer.

The display and alarm status can also be remoted to a 1U panel via RS485 data, enabling monitoring of silence detection system away from central card frame.

The 1U case has the same status and alarm functionality, but for only two channels

Key Features

Programmable fail level

Programmable time to fail and time to restore

Auto changeover to backup source

AES, Wordclock or internal sync

16 channel 3u or

2 channel 1U

Front panel status indicators

Remote monitor panel option



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