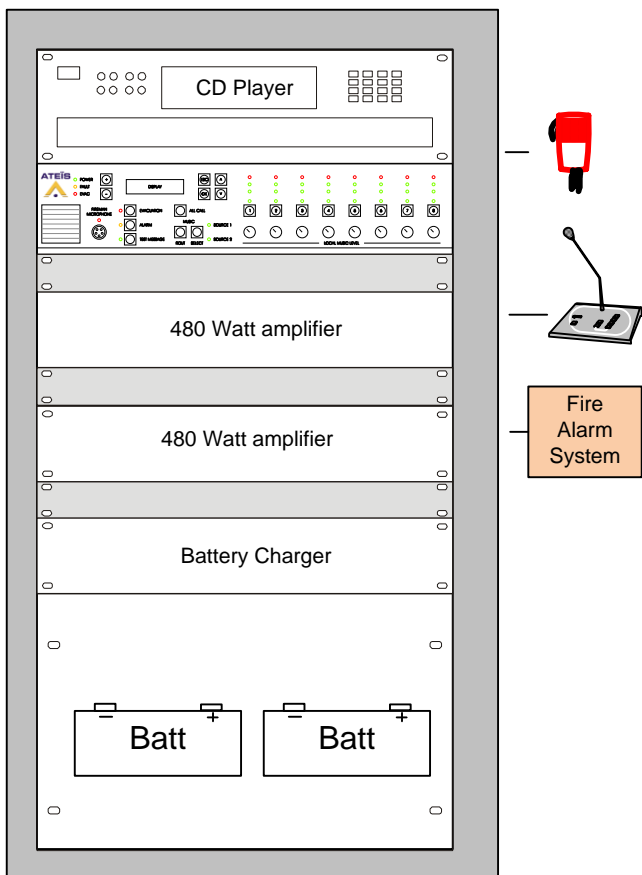
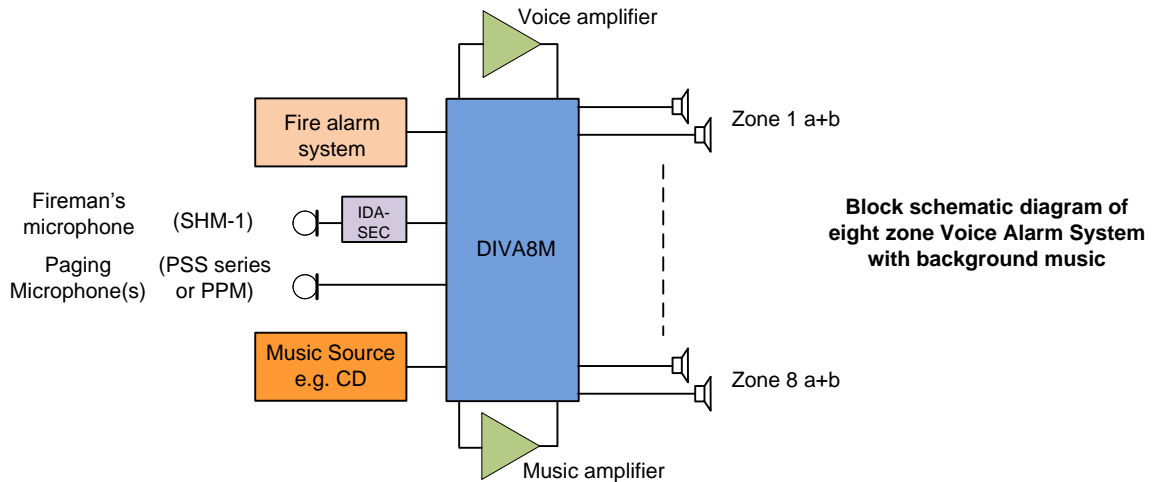


Application Example DIVA8M

Introduction

This example shows the DIVA8M configured for voice and music in up to eight zones. The system is compliant with EN60849 and BS 5839 pt 8.



Typical Rack Layout

System Description

The DIVA8M features five audio inputs, including an integrated fireman's microphone input that is monitored. The remaining inputs can be used for paging microphones and music sources. When using the PPM microphones, up to eight microphones can be cascaded to create a very flexible paging arrangement.

Up to 16 messages totalling 4 min 22 sec can be stored in the internal memory, which is monitored for correct operation.

The system employs two amplifiers, one for voice and the other for music. If the voice amplifier fails, the music amplifier can take over as a hot standby.

If music is playing in all zones, paging announcements will mute the music only in the zones selected for paging by the paging microphone. Music is restored when the paging announcement ends. Music can be permanently disconnected from any zone.

Loudspeaker outputs are presented as a+b circuits for each zone. With the circuits physically interleaved within the building, failure of one circuit will not result in a complete loss of audio.