Unity DAU
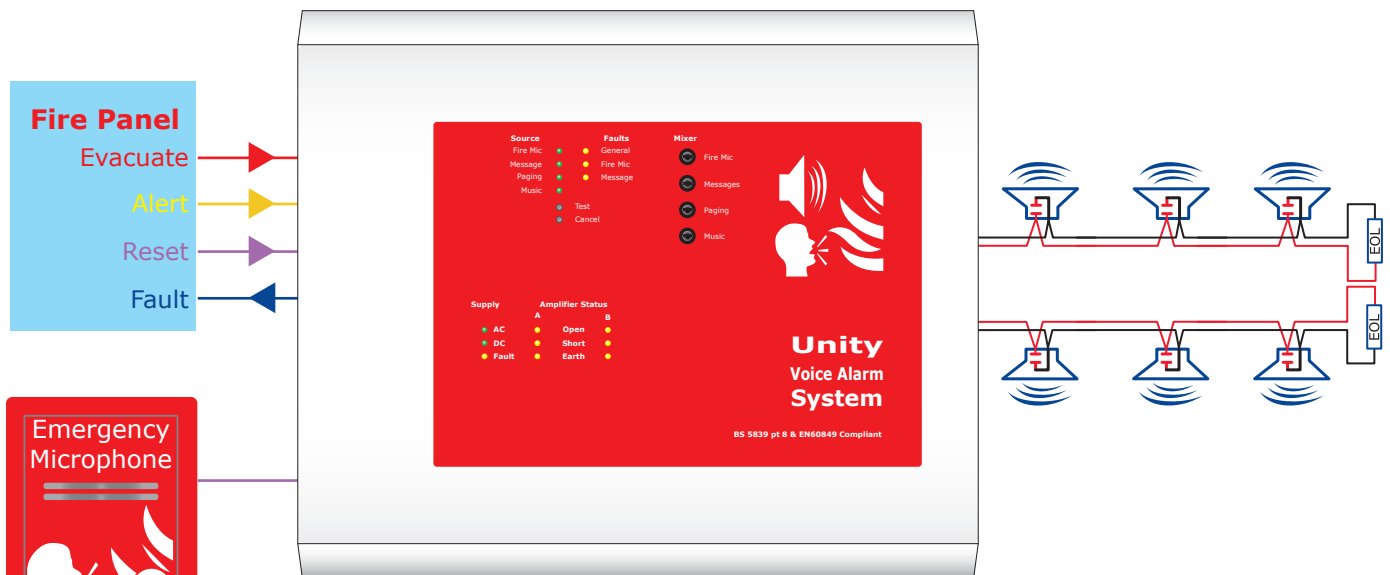
Distributed Voice Alarm Amplifier & Controller

Typical Small VA System

- ✓ BS5839 part 8 Compliant
- ✓ EN60849 Compliant
- ✓ Dual 30W 100V Line Outputs
- ✓ 3 Messages (65 Seconds)
- ✓ Emergency Microphone In
- ✓ Fire Interface (with Reset)
- ✓ Common Fault Out
- ✓ Paging Input
- ✓ Operates on CWZ fire cables
- ✓ Full fault monitoring
- ✓ Battery Maintained
- ✓ Network Version Available
- ✓ Direct Music Input
- ✓ Music Ramping
- ✓ Remote Music Level Control
- ✓ Wall Mounted

*U*nity has been developed to replace talking sounders in many voice alarm applications, and is available in several forms. The DAU is a complete VA system in a single wall mount box which is complete with messages, fire interface, dual 30W monitored amplifiers, power supply , monitored battery charger and the ability to connect non monitored paging and music directly.

*T*he DAU has been developed to draw the minimum of current in standby conditions and mutes the music when the AC supply fails, the unit then draws 60mA quiecent allowing the use of 3.2AH commodity SLA batteries for full compliance with 5839pt8.

*C*onnection to fire alarm systems could not be more simple, Unity DAU has independant Alert and Evacuate inputs which can be connected to reverse monitored sounder circuits directly. Once activated the fire signals need to be delatched by the reset input, for retrofit to systems with relays a protected 24V aux supply is available.

*T*he speaker lines are monitored using a low current DC system which is continuous, and works with the music playing. Faults reported are open, short and earth faults. Each speaker fitted to Unity DAU must have a DC blocking capacitor fitted. The use of DC monitoring allows all cable types (MICC and soft skin) to be used with the system.

*M*usic sources can be plugged directly into the DAU, and the level of this can be set using a remote DC volume control. When used with a paging microphone, the music ducks and restores gently after paging.