



Elemec Plus™

Digitally Controlled PA and Alarm System PA/GA for Industrial Facilities

- Fully duplicated or single system operation with Hot Standby amplifier provision.
- Reduced commissioning time due to modular plug and construction with standardised hardware.
- User friendly configurable audio process management and control.
- Connection of up to 16 fully monitored full featured microphone access inputs over 4-pair cable.
- Message storage and replay facility on any input (up to 120 seconds).
- Automatic access panel lockout on panel failure.
- Compliant to PFEER, IMO, SOLAS, NORSOK requirements.
- Local or remote software configuration.
- Hardwired Emergency Access fallback operation.

Options

- PABX Telephone Access.
- Page/Party Access.
- Expandable up to 7KW of audio broadcast power.
- Engineers Test panel provision.
- Auxiliary Audio Input.



The Elemec Plus™ is a Digitally Controlled Public Address and Alarm System (PA/GA). Designed principally for the Offshore Oil and Gas market.

The equipment is specifically and fundamentally designed as failsafe, with extensive system and fault status monitoring for maximum availability at all times.

In addition to General Paging and Emergency Broadcasts, Platform Alarms can be automatically initiated from Fire Alarm and Emergency Shut Down Systems. Alarm tones or pre-recorded digital voice evacuation messages can be broadcast.

GAI-Tronics is uniquely positioned with a wealth of experience in the development of robust systems, and has a comprehensive knowledge of certification and safety related standards that ensures fail-safe, high availability solutions in industrial, commercial and petrochemical environments.

The range of Public Address and Alarm Equipment is designed to comply with all the latest stringent safety regulations, and incorporates features and facilities based on many years of practical experience within similar environments.

GAI-Tronics provides the essential control and monitoring system for the PAGA High Integrity Public Address & Alarm System commonly used on Wellhead Oil Platforms, F.P.S.O.'s, Power Stations & Oil Refineries, Chemical Plants & Industrial Complexes Worldwide where the safety of all personnel is of immense importance.

Industrial Public Address & Alarm

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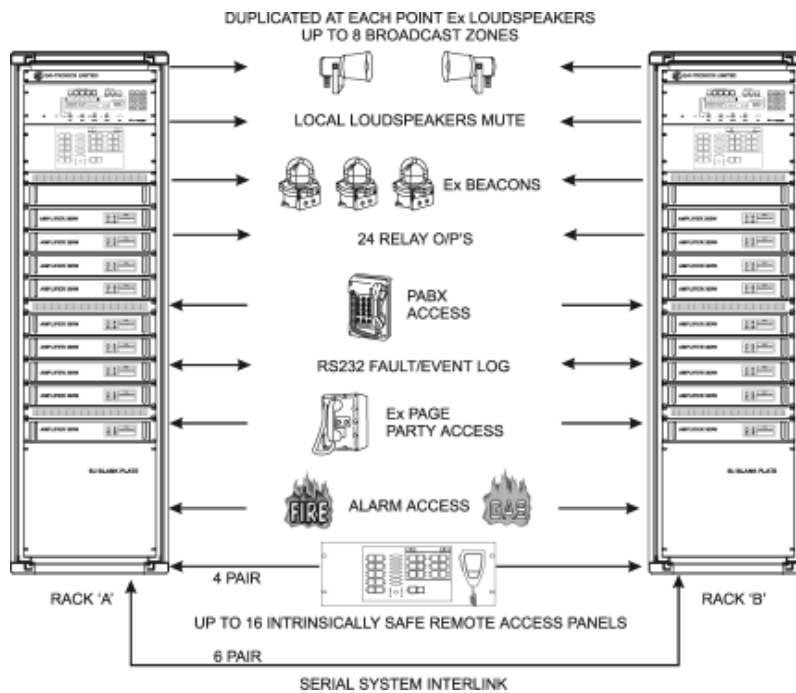
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Modules

PA Switching Unit (PAS)

The PA Switching Unit is microprocessor controlled with user-configurable operation. The LCD system indication and integral engineers test section has visual indication of status. Digitally stored alarm signals compliant with PFEER and IMO requirements can be selected for use.

Local/Remote Access Panel

With 19" desktop or bulkhead variants available, the Operator Control Panel can be used in safe or I.S. approved areas to zone 1, gas group IIB, T3. There are up to 8 selectable zones with a typical alarm selection of 4+4. Gooseneck or fist microphone options are available with LED "VU" indication. Both routine and emergency speech access are standard. The OCP has galvanically isolated dual outputs for A/B system operation.

Addressable Amplifier (300SAA)

The 300w Slave power Amplifier is designed for use at 100v/70v line output. An LCD display indicates output power and unit status.

The addressable amplifiers are available for 110/240/254v A.C. or 48v D.C. operation, and are self-monitoring with A.C. load sensing and D.C. earth leakage. The unit benefits from an integral fan providing axial cross flow cooling to the heatsink, which enables the amplifier to work in high ambient temperatures. Fault reporting to host PA/GA equipment is carried out via a serial communications link; and simplified line calibration allows easy maintenance of the unit.

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