

Management

central switch VX/AT

Amplifier Module

VA300+/325 W

Amplifier Cage

VA300/CAGE

Fan Unit

VA300/FAN

Power Supply

VA300+/PSU



Master Unit VAP30



Access Unit VAP01

Features

- Various redundancy concepts
- Fully monitored system
- Different interfaces available
- BARTEC VODEC System on a Chip

PAGA Public Address and General Alarm System

Description

The BARTEC VODEC PAGA (Public Address and General Alarm System) is the culmination of over 25 years experience in the design, manufacture and commissioning of high integrity voice/alarm broadcast packages for life safety applications.

The PAGA System is specifically developed for use in aggressive operating environments including potentially hazardous atmospheres. BARTEC VODEC PAGA is designed to reliably operate for extended periods of time without failure or recourse to routine maintenance.

PAGA has been independently certified to meet the strictest climatic conditions specified by leading authorities including CE, Bureau Veritas, RMRS and DNV. The PAGA package can be supplied in a number of system architectures:

- Fully duplicated A+B configuration
- N+1 Hot-Standby configuration key components are duplicated and configured on Hot-Standby
- Combination of A+B and N+1 for ultimate system security

P3-PAGA system units

System rack

Depending on application several sectors/area maybe assigned dedicated PAGA resources with networked connections to communicate inter sector.

Operator access units

Loudspeakers

- **Flashing beacons** (high intensity) in high ambient noise areas

Amplifier cage

The amplifier cage carries loudspeaker amplifiers, type VA300+, which facilitate both drive and management of groups of loudspeaker devices.

Amplifier module

A typical PAGA system might have amplifiers ranging from two units to hundreds of amplifiers depending on the acoustic alarm signals and intelligible speech coverage requirement over the site.

Amplifier power supply

The VA300+ amplifier provides extremely high power density in a compact lightweight modular plug in "cassette" format.

VA300+ amplifier power supply is derived from VA300+/PSU which facilitates dedicated outlets for each amplifier thereby enhancing overall system security.

Management central switch P3-VX/AT

The complete package is managed by the BARTEC VODEC VX/AT control switch.

VX/AT provides

- Secure switching of input/output program
- Generation of internationally specified alarm tone cadence
- Supervision and control of system priorities
- Supervision of the complete PAGA system

There is minimal conventional hard wiring within the central rack, all interconnections are by plug/socket ribbon cable assemblies.

Ports

Connection of field equipment to the host rack is made via an integral "MDF" which houses a number of DIN rail mount termination "ports".

A family of BARTEC VODEC ports enable simple reliable implementation of

- self healing loudspeaker and flashing beacon networks "Loop" based
- mutable loudspeakers
- interfaces to other site systems e.g. PABX, VHF, Radio, SCADA, Fire and Gas, ESD, Supervisory, Event Recording, Entertainment Systems
- on connection to operator access units
- AC/DC power supplies

Page/Party communication

A system can be extended to include Page/Party communications by incorporating a BARTEC VODEC VXS shelf, dual AC supply system energisation by ASD02/08 shelf and pre-recorded messages by RP8/60.

Access units

A range of operator access units are available from the standard BARTEC VODEC VAP01/VAP30 series or "tailor made" human machine interface to client specification.

ATEX certification allows safe access facilities in potentially explosive hazardous areas.