



N+1 Hot-standby

Features

- Very small size, lightweight
- Plug in/out
- Fully monitored
- Detail LED diagnostics
- 24 V or 48 V battery charger output
- Remote fault report output
- Higher equipment racking density
- Simple quick and easy service
- Early warning of battery system trouble
- Rapid fault location, minimum down time
- Requires only ONE charger to recharge and manage 48 V battery strings, higher reliability
- Integration with other site systems

Description

BARTEC VODEC PAGA Public Address and Alarm system is specifically designed for critical life safety applications.

To improve system availability the BARTEC VODEC PAGA system can be configured in an N+1 architecture. N+1 denotes that certain key. Front end parts of the PAGA system are duplicated with the second hardware set being held in hot-standby. N+1 can apply to loudspeaker power amplifiers and/or host management according to client specification.

In either case field equipment is not duplicated in N+1, i.e. there are non-redundant loudspeaker/beacon networks.

Amplifier replacement is automatic and in addition to supervision of on-line amplification the standby amplifier is monitored also. For ultimate security A+B fully duplicated architecture should be specified, refer to data sheet DS0159.

The BARTEC VODEC VA300/CAGE is fitted with N+1 capability for power amplification as standard.

Each VA300/CAGE can support 8 X VA300+ amplifiers out of which it is possible to simply configure slot 8 as hot-standby for the remaining (up to) seven on-line amplifiers.

It is possible to extend the hot-standby to provide support for on-line amplifiers sited in other VA300/CAGE(s) if desired, e.g. system fitted with twenty VA300+ amplifiers (slot 21, 22 and 23 are spare) slot 24 is hot-standby for amplifier 1 - 20.

For greater system security the VX/AT management processor is not configured to enable hot-standby of all switching functions, alarm generation and operator access unit management.

For this application the operator access units feature duplicated N+1 transceivers and microphone transducers. A Vodec NT4 facilitates selection of VX/AT on a master/standby basis. Hot-standby amplifier can be assigned for

- Every seven "on line" amplifiers
- Every three "online" amplifiers
- Single hot-standby can support all "on line" amplifiers up to maximum of sixty four.