

Date: February 2002

Hermann Quetting
Marketing Manager
KLOTZ DIGITAL AG
+49-89-45672-350
h.quetting@klotzdigital.com

WEB SITE
www.klotzdigital.com

**WORLD PREMIERE:
KLOTZ DIGITAL ANNOUNCES THE FIRST DIGITAL PUBLIC ADDRESS SYSTEM**

VARIZONE

Professional loudspeaker system for P.A, paging and evacuation expands the borders of 100 V technology

Munich, February 2002

KLOTZ DIGITAL will be showcasing its new, fully digital VARIZONE Public Address system with powered loudspeakers including individual signal processing at prolight+sound 2002 in Frankfurt/Germany.

VARIZONE allows completely flexible positioning of zones, transferring 8 audio channels within one loudspeaker line and is able to broadcast individual content to any destination within a zone. Individual surveillance control of powered speakers, routing of all audio signals, comprehensive control management and redundancy make VARIZONE a highly developed and technically innovative Public Address system which fulfills most modern safety and emergency standards.

Powered P.A. speaker – free design of zones

Compared to conventional 100V technology, VARIZONE operates with powered loudspeaker systems so the amplifier can be individually connected to the speaker eliminating the need for additional equipment rack space.

In addition, VARIZONE offers great flexibility during the implementation, application and extension of digital P.A. projects, making it easy to assign variable groups and lines of loudspeakers. It will also be possible to address an individual powered loudspeaker.

VARIZONE has the flexibility to meet customers needs for any specific micro casting applications by providing varied audio content anywhere in the loudspeaker line.

New Bus-Technology

VARIZONE powered speakers and all other components are networked together using standard low voltage wiring (2 twisted pairs). This technology convergence allows customers to take advantage of in-place wiring and assures the value for future expansion of the system.

Via this bus-technology up to 8 audio channels within a speaker line can be distributed, supplying power for all components and control data. Due to the new digital bus structure of VARIZONE it will be possible to re-arrange and combine new zones for speakers at any time to fulfill other applications.

Powered Amplifier Module (PAM)

A powered amplifier module with two channels offers the connection of up to 2 loudspeakers per channel. Individual internal signal processing incorporates a 4-band parametric equalizer and level control to guarantee perfect sound quality. The active digital design ensures perfect sound even for the last speaker in a long cable run.

Beyond the appropriate regulations VARIZONE offers as standard individual surveillance control of all connected components through the digital bus. Via intelligent control management the entire system is completely supervised and controlled.

Digital Audio Network and Routing

The KLOTZ DIGITAL VADIS mainframe can be equipped with appropriate interface cards for various applications and acts as the decentralized network and the digital router for the VARIZONE system. This modular structure provides idealized solutions for all individual P.A. system requirements and for emergency back-up the entire system operates in full redundancy.

More Efficiency

VARIZONE offers significantly higher system efficiency and the ultimate audio performance by optimizing each powered speaker system and totally eliminates transformer power loss characteristics of 70/100V systems. The result is a reduction in cost and power dissipation, and a dramatic increase in system reliability due to the inherent system redundancy.