

VX-2000

System Manager

Micro-processor based System Manager

Modular system for the distribution, control and monitoring. Audio matrix for the simultaneous transmission of 4 independent audio signals, as well as an audio signal to the listening. 8 Slots for various input modules for various sound sources such as microphones, CD player, cassette recorder, etc., 16 control inputs and 16 control outputs.

Complete monitoring according to EN 60849 (VDE 0828), EN 54-16 and VDE 0833-4. Monitoring the CPU via the watchdog timer. Monitoring of critical internal and external audio signal paths. Audible and visual indication of all that occurred within about 100 seconds. Recording of the last 2000 actions and errors in the log for later error analysis and reconstruction of the processes on the system.

Two covered slots for text storage to the simultaneous transmission of warning and evacuation messages in separate areas of disaster or fire. 2-phase alarm (alarm with subsequent after adjustable time evacuation) can be programmed. Monitoring the availability of the texts and the text memory errors.

The basic volume of each input and output should be adjustable. Except the stations the volume levels of all inputs and outputs to either of the (s) stations or be adjustable via control inputs.

RS-232C interface for PC. PC-software under Windows with graphical user interface to the system configuration, system inspection and read out of the log. Automatic detection of system components. Timed automatic processes in daily, weekly and holiday programs can be programmed (timer recording). Expression of the system configuration documentation. Simple update system software without Exchange of EPROMs.

LED indicators for power, power supply on and error. Connector for external monitor speakers.

Power Source: 24V DC (operating range: 20-40 V)

Dimensions: 19 inch mounting device with 3 HE

VX-2000 System

Introduction to the voice alarm system (SAZ)

The voice alarm system should be certified by a notified body according to EN 54-16 and comply with the standard VDE 0828-4 and VDE 0833-4 in all aspects relating to the system, which should be certified by a report of an independent testing authority (TÄ&V, etc.). Among others, the following characteristics to comply with are:

- the monitoring of all critical signal paths of the capsule of the emergency microphone up to the speakers
- acoustic monitoring of the capsule of the emergency microphone, to ensure the perfect acoustic-electric conversion
- Monitoring the connected speaker circuit short-circuit and interruption, either by impedance measurement, Line end modul or line return, and ground fault
- Detection and reporting errors of all monitored units 100 seconds
- According to EN 54-4 by a named (notified body) certified reserve power supply instead
- Possibility of fire section-related transfer recorded warning, evacuation and all-clear text
- Message of the error that occurred at a suitable location, E.g. on receivers, tableau in ELA Control Panel or PC

A power saving function to reduce the power consumption during normal operation should be optionally adjusted. During a power failure, it should be automatically activated to minimally charge the batteries for backup power supply and to comply with the preparedness and alarm time of the system

require this smaller battery capacity than usual.

The voice alarm system should be modular. It should be possible to operate the system with up to 8 contrasting lower panels. The connection of the lower Central is to monitor fully. The voice alarm system should be extended to up to 80 zones in off wiring.

The system should be easy to configure a surface with graphical display with PC software on Windows.

The PC software should be equipped with an appropriate installation and maintenance support to ensure a complete inspection including:

- Measurement of loudspeaker circuits
- Configuration comparison between PC and system settings
- Check all connections in the system
- Function test of the monitoring
- Read the logbook

The SAZ is to demonstrate the following options of the EN 54-16:

- acoustic warning (section 7.3)
- Manual termination of voice alarm (section 7.6.2)
- Manual mute of the voice alarm (section 7.7.2)
- Voice alarm condition Committee course (section 7.9)
- Display of errors in loudspeaker groups (section 8.4)
- manual control of the voice alarm (Å§ 10)
- Emergency microphone (section 12)
- redundant power amplifier (section 13.14)

Number of specifications com. construction products regulation 305 / 2011 of the EU: 1134 - CPD-110, issued by the notified body with the number 1134.

Manufacturer: TOA

Model: VX-2000 system