

SX-2000 system

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Introduction to the voice alarm system

Fully digital language alerting network based system with comprehensive display and diverse setting options in the operation. The system can be built up locally, so that the speaker and microphone points lines can be kept short.

The Ethernet-based network technology allows the use of copper and fiber-optic cables, so that the cable lengths are possible between the system units of more than 40 km. The system supports the operation of a fully redundant network and offers Additionally a third analog reserve way, failure in the system allowing even a group call in all areas at errors in the network or CPU.

Up to 16 different audio signals, as well as another 4 different voice alarm signals can be transmitted at the same time in the system. The transfer is carried out with uncompressed 24-bit audio data to preserve highest sound quality. Thus, the system also in extremely high-quality projects is applicable.

Due to the modular design the system can be optimally to the needs of the user customize and extend in the future.

384 Priority levels allow versatile priority controls.

The emergency control can be done automatically by the BMZ as well as manually at the emergency stations. In 4 different emergency messages can be transmitted at the same time in different areas. 4 Three-stage alarm sequences to 128 freely programmable transmission distances are programmable. The transition to the next stage is time-controlled and can be done manually or by the BMZ, as well the number of levels can be reduced to two or one. The parallel operation of alarm and normal transmission (background music, announcements), it is possible to ensure the normal operation in areas affected not by the alarm continues.

In addition to announcements of the receivers in individual areas, groups, or as a group, can be also prepared background music distribution enabled, manually switched transmission and fault messages acknowledged. Extensive manual intervention for the automatic alerting, selection of transmission paths and alarm sequences available at the emergency stations in.

The system can manage, 256 speaker areas and 64 sound sources of up to 64 system and emergency stations, as well as per 1416 control inputs and outputs. Up to 520 control inputs can be monitored. Recording of the last 10,000 events and error messages as a log with detailed information easily readable.

Using a programmable interface, a connection to building management systems on OPC is possible based. In addition to the transmission of status information on a building management system, transmissions are controlled according to the admissibility for voice alarm systems.

The programming software works operating system with a graphical user interface on Windows (trademark of Microsoft Corporation) and is easy to understand. All settings can be saved on the computer and printed for the documentary about a table-editing software. Access to the created configuration files is protected with a password.

The system is designed to meet the voice alarm standards EN 60849 (VDE 0828), VDE 0833-4, EN54-16 and ISO 7240-16. This includes the complete monitoring of critical pathways, the power supply and the batteries when display of errors within about 100 seconds after tunit occur.

Number of specifications according to the construction products regulation 305 / 2011 of the EU: 1134 - CPD-108, issued by the notified body with the number 1134.

Manufacturer: TOA

Model: SX-2000 system