

VM-3000 system

VM-3000 System

Introduction to the voice alarm system

The voice alarm system should be certified by a notified body (notified) according to EN 54-16 and the norms VDE 0828-1 (EN 60849) "Acoustic emergency warning systems" and VDE 0833-4 ("danger alarm systems for fire, burglary and robbery - part 4: requirements for voice alarm systems in case of fire") in all the system meet the points; to be demonstrated by a certificate by an independent body (E.g. TÜV, DEKRA). Paragraphs of standards to be followed include:

- 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 / r emergency microphone/e, to help ensure the proper acoustic-electric conversion.
- Monitoring the connected speaker circuit interruption, short-circuit and earth fault;
- Detection and reporting errors of all monitored units 100 seconds after occurrence
- Backup power supply of all equipment relating to the alarm
- Transferring recorded warning and evacuation messages in selectable and pre-programmed areas
- Visual and audible alarm at the headquarters together with the nature of the problem as clear text display

The system will consist of compact units, where each of these units can operate 6 speaker zones. It should be extended to up to 60 groups of speakers, where each unit can be used (as in headquarters) operated. The connection of remote units at Headquarters is to monitor fully.

The system will manage up to three emergency microphones (fire stations). The keyboard of the external emergency microphones should be extensible.

The speaker circuit is to be continuously. A transfer must not lead to the interruption of this monitoring. The speaker circuit to auditing either impedance monitoring or Linienendmodulen.

The system should be easy to configure(R) surface with graphical display with PC software on Windows. The single measurement procedure of the loudspeaker lines to can be done directly on the device and requires no computer.

(R): Windows is a registered trademark of Microsoft Corporation

A copy of the specifications, as well as the certificate of the voice alarm system by a notified body (notified) according to EN 54-16 is to present when tender.

Number of specifications com. construction products regulation 305 / 2011 of the EU: 1438 - CPD-0180, issued by the notified body with the code number 1438.

Manufacturer: TOA

Model: VM-3000 system