

simax
by Detectomat

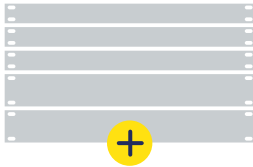


MOSES VA/PA

MODULAR VOICE ALARM AND
EVACUATION SYSTEM

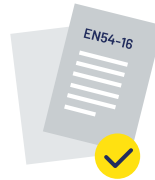
TARGETED INFORMATION – SAFE EVACUATION

Modular voice alarm and evacuation system MOSES VA/PA.



Maximum flexibility

Modular and perfectly coordinated system components paired with the simaxCONFIG for diverse applications, individual system functions and high safety requirements.



Certified to EN54-16

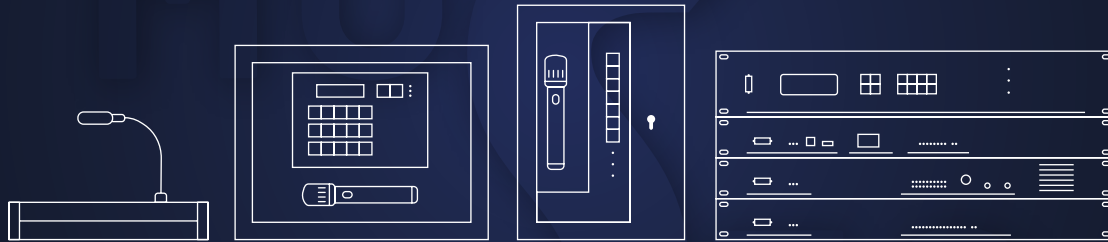
The MOSES system meets the requirements of product standard EN54-16, which stipulates functions such as continuous self-monitoring of the system, including signal paths and speaker lines up to the microphone of the call stations.



Made in Germany

This statement has always been a promise of high quality standards, but that's not all – it also represents clear understanding and optimum implementation of fire and voice alarm systems in accordance with the national requirements, guidelines and applicable standards.

THIS IS THE WAY!
CLEAR ANNOUNCEMENTS –
SUPERIOR SAFETY



Perfectly coordinated components
for diverse applications.

COMPACT SAFETY AT A GLANCE

The **modular system** is suitable for small buildings all the way up to complex systems and connection to fire alarm control panels as per DIN VDE 0833-4.



Controller
SAZ02

Backup management
DHU0802

Line monitoring
DLC16



Digital interface unit **DIU**



Power amplifier **SPA 2-500**

Modular compact system

Components can be flexibly added and upgraded for a future-proof solution. Redundant functions and a high-performance backup power amplifier management system ensure that high requirements are met.

The key functions

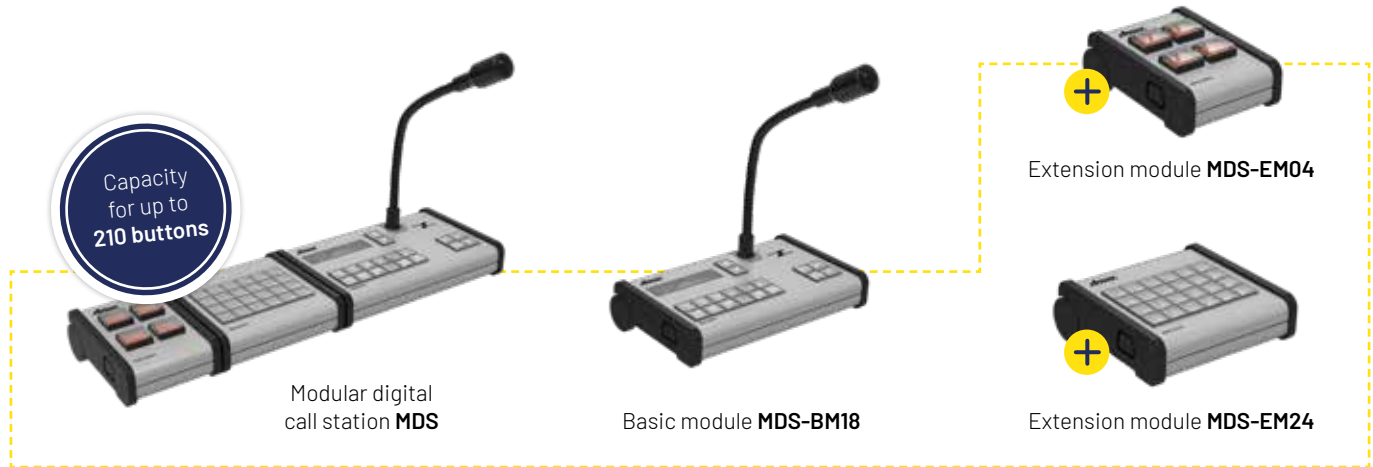
at a glance:

- Up to 8 controllers in the certified network via RS 485, ETH or FOC (max. 8,192 lines)
- Data interface to Detectomat fire alarm control panel via ETH, contact interface for other manufacturers of fire alarm control panels (64 monitored inputs, phased evacuation)
- Modern class D power amplifier from 250 watt up to 2 x 500 watt
- Backup power amplifier management
- Easy system configuration using Windows software simaxCONFIG (TCP-IP, including remote)
- Freely programmable logic functions for virtual control functions

IMPORTANT ANNOUNCEMENT

CALL STATIONS

The digital call station systems are used for live paging, playback of individual voice messages and audio data, and for diverse control tasks in the modular voice alarm and evacuation system MOSES.





Digital fire brigade call station **FWDSP-PZ**



Modular fire brigade call station **MFWS**

Extension modules **EM05**



Up to
96 broadcast zones

The key functions

of the call stations at a glance:

- Modular call stations and fire brigade call stations with display
- Option of redundant connection to controller
- Up to 210 freely programmable buttons per call station
- Stereo music input for each call station
- Feedback reduction or delayed call output for each call station
- DIN 14664-compliant fire brigade call station available
- Easy migration into existing cable networks (4 x 2 x 0.8 mm, max. 1000 m)
- Individual solutions e.g. for installing a fire brigade call station

CONTROL THAT LEAVES NOTHING TO CHANCE! SIMAXCONFIG

The PC software tool simaxCONFIG
for configuring and controlling hardware
modules in the MOSES system.

- Program interface with organized structure
- Logically assigned functions
- Intuitive operation
- Easy configuration and control of the hardware modules
- Quick commissioning
- Update options for future-proof upgrades
- All connected components can be configured from the SAZ02



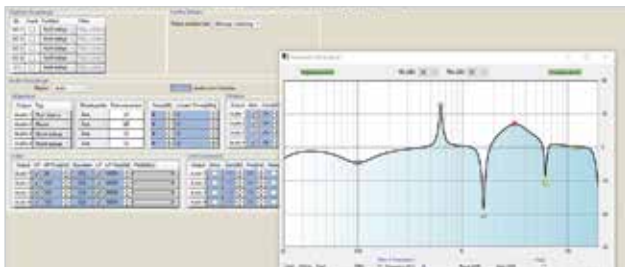
Software licence
Variable function scope





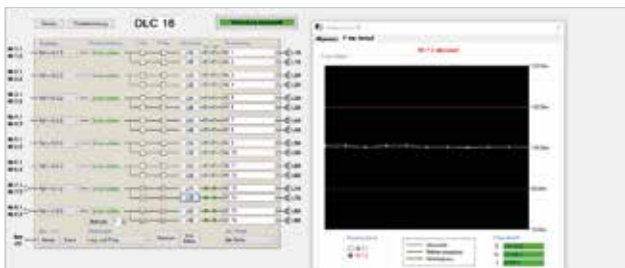
Call station button functions

The freely configurable function keys of the call stations can be programmed with different functions such as alarm start/stop, call zone numbers or selection of an external music source.



Configuration and control

The software tool is used to configure all zone groups, speaker lines, monitored call stations or I/O modules with freely configurable function contacts and individual time or special functions, as well as the built-in audio DSP.



Speaker line and power amplifier management

With simaxCONFIG, the digital line monitoring DLC16 can be displayed and configured in all parameters in real time. This simplifies commissioning, servicing, documentation and troubleshooting. The function of the digital disaster manager DHU0802 can also be configured in this way.

THE VOICE ALARM SYSTEM IN ACTION

AREAS OF APPLICATION

Acoustic information with wide coverage.

Voice alarm systems are normally used in areas and buildings where large numbers of people are present and elevated safety requirements apply.

Clear, rapidly delivered acoustic information in a hazard situation is defined in the standard DIN VDE 0833-4 "Requirements for voice alarm systems in case of fire". The primary objective in such situations is to provide targeted

information to people at risk, both indoors and outdoors, in order to prevent a panic situation.

An ordered sequence of actions, such as the evacuation of a building or individual floors, is organised via the voice alarm system. The voice alarm can make use of automated processes with preconfigured messages, as well as live paging by trained personnel or the emergency services.

In addition to offering maximum safety, the MOSES system can also be used for other sound broadcasting tasks, such as background music or company announcements, conveniently and with highest quality.

TRAIN STATIONS AND SUBWAYS



OFFICE BUILDINGS



AIRPORTS



SHOPPING CENTRES



NURSERIES, SCHOOLS





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