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Desigo[®] Fire Safety Intelligent Voice Communication

Premium intelligent protection system with emergency
voice communication, together in one powerful and efficient package

Answers for infrastructure and cities.

Desigo® Fire Safety Intelligent Voice Communication

Offering people in small to mid-sized buildings the same level of protection enjoyed by people in large buildings

Highlights

- Digital voice technology – the industry’s best intelligibility – communicates clear messages
- Customized messages reach specific areas at the same time
- Fire and voice (VoIP) networking over the same CAT 5 or fiber connection for simpler installation and high quality audio distribution
- Meets requirements as both fire alarm system and emergency communication system (UL 864 and UL 2572)

Why should occupants of smaller sized facilities settle for a fire protection system that only offers alarms or alerts? With Desigo Fire Safety Intelligent Voice Communication occupants of mid-sized facilities can now rely on the same safety technology that’s normally reserved for high-end facilities: fast, reliable fire detection, intelligent emergency communication capability, and complete operator control – all in one cost-effective package.

Designed without the complexity and costs of modular voice systems, Desigo Fire Safety Intelligent Voice Communication provides a better solution for small to mid-sized buildings that would normally use only horn appliances for audible signaling. Desigo equips these buildings with emergency communication capabilities to address other life safety events.

This comprehensive, cost-effective, and compact fire protection and emergency notification system offers clear, intelligent communication capabilities for urgent events and everyday use, including customized messaging to precise locations.

The perfect solution for coverage in small to mid-size buildings:

Facilities that previously only used horn appliances for audible signaling can now benefit from specific emergency communication capabilities to address other life safety events. These facilities include:

- K-12 schools and campuses
- Low mid-rise hotels and motels
- Retail (mall, convenience)
- Medical office/office parks
- Sporting venues/ theaters/ concert halls
- Banquet halls
- Churches
- Apartment complexes

Best intelligibility for essential messages

Keep occupants informed with understandable, real-time messaging that relays emergency instructions and non-emergency information.

- Voice over Internet Protocol technology delivers high quality audio signals anywhere in the building, allowing a message to be heard distinctly the first time to help reduce the time needed to respond to emergency conditions.
- Built-in, 2 channel message player supports 64 digital messages, equipping you to deliver differentiated messages for any emergency condition.
- Wide frequency response for amplifiers, CD quality sampling rate for messages and hi-fi speakers deliver clear messages to the occupants throughout the building.

Premium performance with efficient installation

There’s no need to connect separate voice, no need to add a stand-alone voice to a small fire system, and no need to overspend on a big voice system. By using the Desigo Fire Safety Intelligent Voice Communication solution, installation is faster, easier, costs less, and requires less space than similar solutions.

- A single enclosure for combined fire and voice reduces installation time
- Amplifiers in the same enclosure require less wall space
- A common conductor for networking all data & audio saves time and money
- One shared battery set for fire/voice system uses backup power more efficiently



Best survivability for smaller voice systems

Give your messages the best chance of getting through with an emergency communication system that has built-in redundancy and is designed to the highest standards.

- Message player located in every panel
- Up to four 50W amplifiers per panel with the option of designating one or two as backup amplifiers
- Each amplifier provides two circuits which are ideal for interleaved speaker zones
- Networkable control panels have an integrated degrade mode that is automatically activated to communicate alarms over the network
- Style 7 (Class X) network works through a ground fault, short or open circuit

Innovative and intelligent technology

Desigo Fire Safety Intelligent Voice Communication is a versatile, flexible and efficient system that is scalable to today's needs and adaptable as conditions change. Networkable control panels are easy and intuitive to operate. Required information is displayed in a clear and comprehensible way:

- See all fire and non-fire emergency events on a single display
- Control a network of systems as though it were all a local panel
- Enjoy the flexibility of communicating everyday and emergency messages

A broad range of detectors with more than 20 selectable detection profiles offer coverage for all types of application areas, from clean to dirty environments. Detectors featuring unique **ASAtSMtechnology** offer reliable detection without false alarms.

Remote viewing and evaluation of the system increases service efficiency and minimizes on-site maintenance time, which helps save time and money. With remote diagnostics, service visits can be planned more effectively, as the service engineer will know which parts are needed before visiting the site.

One panel. Comprehensive coverage.

The advanced Desigo Fire Safety Intelligent Voice Communication system is integrated with networkable, highly reliable fire control panels:

- FV2025 control panel for small to medium applications up to 252 addressable detection devices
- FV2050 control panel for medium to mid-size applications up to 504 addressable detection devices
- The control panels offer flexible circuit wiring, allowing each group of 252 devices to be split between one to four circuits
- Two notification appliance circuits (expandable to four) for visual indication appliances
- Peer-to-peer networking allows up to 16 panels to be connected, so the system can easily grow as the building's needs change.

Compact system contains all components in one enclosure, saving wall space and installation time.



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The information in this document contains general descriptions of technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.

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Answers for infrastructure and cities.

Our world is undergoing changes that force us to think in new ways: demographic change, urbanization, global warming and resource shortages. Maximum efficiency has top priority – and not only where energy is concerned. In addition, we need to increase comfort for the well-being of users. Also, our need for safety and security is constantly growing. For our customers, success is defined by how well they manage these challenges. Siemens has the answers.

“We are the trusted technology partner for energy-efficient, safe and secure buildings and infrastructure.”